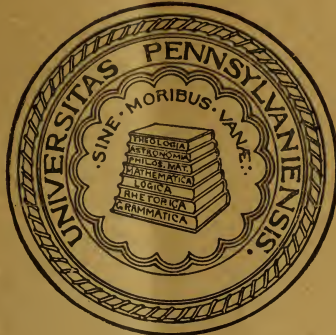


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1895/96

CATALOGUE
OF THE
UNIVERSITY OF PENNSYLVANIA



Founded 1740.

FASCICULUS
OF THE
DEPARTMENT OF MEDICINE

1895-96

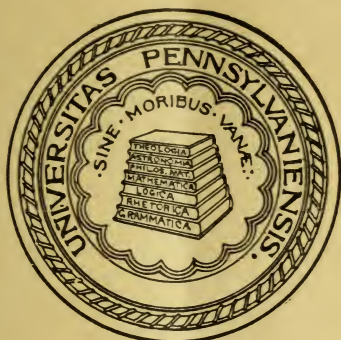
Announcements for Sessions 1896-97

131st Annual Session

SECOND EDITION

PHILADELPHIA
PRINTED FOR THE UNIVERSITY
May, 1896

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UNIVERSITY OF PENNSYLVANIA



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THE UNIVERSITY.

General Information.

LOCATION.

The buildings of the University, twenty-two in number, are situated in West Philadelphia, on property covering an area of forty-eight and one-half acres. The University may be reached from the various railroad depots in Philadelphia by the electric cars as follows: From the terminal stations of the Philadelphia & Reading and Pennsylvania railroads; Market street cars west to Thirty-second street, exchanging thence out Woodland avenue, a ride of about fifteen minutes; or, from the Baltimore & Ohio railroad depot, by a walk of one square south to Walnut street, thence by car over the bridge west to Thirty-fourth street, a ride of about five minutes.

ACCOMMODATIONS FOR STUDENTS.

Board and lodging may be obtained in the immediate vicinity of the University from five dollars per week upwards. Upon application at the offices of the Deans of the several Departments (see *Administrative Officers*, following), lists of recommended boarding houses may be seen. All of these houses are visited and endorsed by the University authorities, who exercise a general supervision over the boarding places of students.

The erection of an elaborate dormitory system, arranged on the "cottage" plan of contiguous houses, has been commenced by the Corporation; and, before the opening of the Academic year of 1896-97, a sufficient number of these dormitories will have been completed to accommodate over three hundred and fifty students.

APPLICATIONS FOR CATALOGUES AND CIRCULARS.

Applications for copies of the annual University Catalogue (published in December) should be addressed to the Assistant Secretary, University of Pennsylvania, Philadelphia, Pa. No charge is made for the Catalogue, *but in all cases the request must be accompanied by ten cents in stamps*, to cover return postage.

Special Circulars of Information, relating either to the separate Departments of the University, or to the various courses offered in the College proper, will be mailed free to anyone, upon receipt of name and address. Such applications should be addressed to the Deans of the respective departments.

SPECIAL INFORMATION.

All letters of inquiry regarding the internal regulations and requirements in each separate Department of the University, should be addressed to the Dean of the particular Department (see *Administrative Officers*, following), and *not* to the Secretary of the University. This statement refers to such information only as may not be fully understood from the succeeding pages.

Persons desiring copies of the College entrance examination papers of the preceding year may obtain the same upon application to the Sub-Dean of the College.

1896.														1897.													
JANUARY.							JULY.							JANUARY.													
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JUNE.							DECEMBER.							JUNE.													
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28	29	30	27	28	29	30	31	.	.	27	28	29	30	.	.	.							

MEDICAL CALENDAR FOR 1896.

- Jan. 2, Thursday, . Christmas Recess ends : 10 A. M.
Feb. 22, Saturday, . Washington's Birthday : Recess, all Depart-
ments. University Day.
April 1, Wednesday, . Last day for receipt of Prize Essays and Re-
ports.
April 2, Thursday, . Easter Recess begins : 6.30 P. M.
April 6, Monday, . Easter Recess ends : 10 A. M.
June 8, Monday, . Entrance Examinations : 10 A. M.
June 11, Thursday, . Commencement : 11 A. M.
June 15, Monday, . Entrance Examinations : 10 A. M.

SUMMER RECESS.

- Sept. 25, Friday . Competitive Examination for Medical Scholar-
ships : 10 A. M.
Sept. 28, Monday, . Examinations for Admission to Advanced
Standing, and Re-examinations of Under-
graduates : 10 A. M.
Sept. 29, Tuesday, . Entrance Examinations : 10 A. M.
Oct. 1, Thursday, . Session begins : 12 M.
Nov. 25, Wednesday . Thanksgiving Recess begins : 6.30 P. M.
Nov. 30, Monday, . Thanksgiving Recess ends : 10 A. M.

BRIEF HISTORICAL SKETCH.

The University of Pennsylvania traces its origin to the year 1740, when a charitable school was founded in the city of Philadelphia. In 1749, a pamphlet entitled "Proposals Relative to the Education of Youth in Pennsylvania," written by Dr. Franklin, led to a united effort by certain citizens to raise this school to the dignity of an Academy. In 1751 this was accomplished, and the Academy, consisting of an English, a Mathematical and a Latin school, each under a master with subordinate tutors and ushers, was formally opened. Two years later (1753) a charter was granted to the trustees of the institution by Thomas and Richard Penn, the proprietaries of the Province of Pennsylvania.

Under the skillful training of the learned Rev. William Smith, the first Provost, the highest class of the Academy attained that proficiency which in a college course would have entitled its members to a degree. This led to a new appeal to the proprietaries for a college charter. In 1755 such a charter was granted, which designated the institution as the College and Academy of Philadelphia in the Province of Pennsylvania.

In 1764, Dr. Smith visited England to secure funds for the college. He received liberal support among men of all shades of religious belief. Concerned lest the institution might become sectarian, they urged the trustees to make a declaration of non-sectarian principles which should be binding on their successors. Accordingly, they resolved that henceforth, as heretofore, no question of religious belief should ever enter into questions of administering the college or appointing its officers.

In the revolutionary period, the college was looked upon with distrust by the radical patriots, and in 1779 the declaration above named was seized as a pretext for withdrawing the charter. A new institution, entitled the "University of the State of Pennsylvania," was chartered at the same time. After ten years of ineffectual work for both institutions, a compromise was effected and a union projected. In 1791, this amalgamation was confirmed by act of legislature, and the name "University of Pennsylvania" conferred upon the new institution.

BRIEF HISTORICAL SKETCH.

The University of Pennsylvania now includes the following departments, established at the dates indicated :

- (1740. Charitable School ; out of which grew, in)
- 1751. The College.
- 1767. The Department of Medicine.
- 1790-1850. The Department of Law.
- 1865. The Auxiliary Department of Medicine.
- 1876. The University Hospital.
- 1878. The Department of Dentistry.
- 1882. The Department of Veterinary Medicine.
- 1883. The Veterinary Hospital.
- 1883. The Department of Physical Education.
- 1883. The Department of Philosophy.
- 1889. The Museum of Archaeology and Paleontology.
- 1891.* The University Library.
- 1894. The Wistar Institute of Anatomy and Biology.

*Building erected.

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

- Provost*—CHARLES C. HARRISON, A. M.
Office, 101 College Hall, West Philadelphia. Office hours, Tuesdays and Fridays, 9.15 A. M. to 11 A. M.
- Vice-Provost*—REV. GEORGE S. FULLERTON, PH. D.
Office, 103 College Hall, West Philadelphia. Office hours, 9 A. M. to 10 A. M., except Saturdays.
- Treasurer*—ARTHUR E. NEWBOLD.
Office, 113 South Fifth Street, Philadelphia. Office hours, 10 A. M. to 3 P. M.
- Secretary*—REV. JESSE Y. BURK, A. M.
Office, 114 College Hall, West Philadelphia. Office hours, 10 A. M. to 1 P. M.
- Assistant Secretary*—J. HARTLEY MERRICK, A. B.
Office, 114 College Hall, West Philadelphia. Office hours, 9.30 A. M. to 4.30 P. M. Saturdays, 9.30 A. M. to 12.30 P. M.
-

THE COLLEGE AND PROFESSIONAL FACULTIES.

- Dean of the College Faculty*—REV. GEORGE S. FULLERTON, PH. D.
Office, 103 College Hall, West Philadelphia. Office hours, 9 A. M. to 10 A. M., except Saturdays.
- Sub-Dean of the College*—EDWIN S. CRAWLEY, B. S., PH. D.
Office, 103 College Hall, West Philadelphia. Office hours, 9 A. M. to 12 M. Saturdays, 9 A. M. to 10 A. M.
- Assistant to the Dean of the College*—EDWARD W. MUMFORD, PH. B.
Office, 103 College Hall, West Philadelphia. Office hours, 9 A. M. to 4 P. M. Saturdays, 9 A. M. to 1 P. M.
- Dean of the Faculty of Philosophy*—WILLIAM A. LAMBERTON, A. M., LITT. D.
Office, 103 College Hall, West Philadelphia. Office hours, Wednesdays and Saturdays, 10 A. M. to 11 A. M.
- Dean of the Law Faculty*— — — — —
Office in the Law Department, Sixth and Chestnut Streets, Philadelphia.

ADMINISTRATIVE OFFICERS.

Sub-Dean of the Law Faculty—GEORGE STUART PATTERSON, A. B.,
I. L. B.

Office in the Law Department, Sixth and Chestnut Streets, Philadelphia. Office hours, Mondays, Tuesdays, Thursdays and Saturdays, 9 A. M. to 10 A. M.

Dean of the Medical Faculty—JOHN MARSHALL, M. D., NAT. SC. D.
Office, 1 Medical Hall, West Philadelphia. Office hours, 1 P. M., daily.

Dean of the Dental Faculty—EDWARD C. KIRK, D. D. S.
Office, 18 Medical Hall, West Philadelphia. Office hours, 9 A. M. to 1 P. M., daily.

Dean of the Faculty of Veterinary Medicine—JOHN MARSHALL, M. D.,
NAT. SC. D.
Office, 1 Medical Hall, West Philadelphia. Office hours, 1 P. M., daily.

Dean of the Faculty Auxiliary to Medicine—CHARLES K. MILLS,
M. D.
Office, 26 Medical Hall, West Philadelphia. Office hours, Wednesdays, 5 P. M. to 5.30 P. M.

SUMMARIES.

GENERAL SUMMARIES.

PROFESSORS, LECTURERS AND INSTRUCTORS.

The College	106	
Department of Philosophy	44	
" " Law	13	
" " Medicine (exclusive of Hospital Service)	80	
Auxiliary Department of Medicine	5	
Laboratory of Hygiene	4	
Department of Dentistry	44	
" " Veterinary Medicine	17	
Emeritus Professors	6	
		319
Duplications		68
		251
Total		

STUDENTS.

The College	871	
Department of Philosophy	172	
" " Law	313	
" " Medicine	873	
Auxiliary Department of Medicine	44	
Laboratory of Hygiene	23	
Department of Dentistry	323	
" " Veterinary Medicine	61	
		2680
Duplications		48
		2632
Total		

STUDENTS SUMMARIZED GEOGRAPHICALLY.

Alabama 2	Colorado 4	Germany 6
Arkansas 1	Connecticut 17	Hungary 1
Australia 4	Cuba 5	Idaho 1
Austria 1	Delaware 59	Illinois 17
Barbadoes 1	District Columbia 8	Indiana 17
Brazil 3	Ecuador 2	Indian Territory 1
British Columbia 1	England 4	Iowa 16
California 7	Florida 3	Ireland 1
Canada 13	Georgia 9	Jamaica, W. I. 2

SUMMARIES.

Japan	3	New York	92	South Carolina . .	3
Kansas	8	Nicaragua	2	Spain	1
Kentucky	2	North Carolina . .	6	Switzerland	2
Louisiana	3	North Dakota . . .	1	Tennessee	6
Maine	6	Norway	1	Texas	7
Maryland	10	Nova Scotia	1	Turkey	1
Massachusetts . . .	44	Ohio	38	U. S. of Colombia	1
Mexico	2	Oregon	2	Utah	3
Michigan	10	Pennsylvania . . .	1925	Venezuela	1
Minnesota	4	Peru	1	Vermont	4
Missouri	14	Prince Edward		Virginia	8
Montana	1	Island	2	Washington	2
Nebraska	4	Puerto Rico	2	West Indies	1
New Brunswick . . .	3	Rhode Island . . .	6	West Virginia . . .	12
New Hampshire . . .	7	Roumania	1	Wisconsin	20
New Jersey	144	Russia	7		
New Mexico	1	Scotland	1	Total	2632

HOWARD HOUSTON HALL.

HOUSTON HALL, a club house for the use of the students of the University of Pennsylvania, was formally dedicated to its uses on the evening of Thursday, January 2, 1896. This building, within whose walls centres the daily social life of the students, was erected largely through the generosity of the late H. H. Houston, a trustee of this University, and his wife, as a memorial to their eldest son, Henry Howard Houston, Jr., a member of the College Class of 1878. The corner-stone was laid on December 22, 1894.

The situation of HOUSTON HALL, in almost the exact geographical centre of the University's great group of buildings, embodies to a large extent the idea of its existence as a centralization of the University's undergraduate interests. Its purposes, briefly stated, are to provide for the students of the various departments a place where all may meet on common ground ; and to furnish them with every available facility for passing their leisure hours in harmless recreation and amusement. The equipment of the Hall includes a reading room, with a large number of periodicals and newspapers ; smoking rooms, billiard and pool tables, tables for chess and checkers, a correspondence room, bowling alleys, shuffleboards, a bath room, including shower and needle baths, and a swimming pool ; athletic trophy rooms, a large meeting hall, with a fine organ, rooms for the college papers and other organizations, a dark room for amateur photographers, and many other rooms for general purposes.

The Hall is the home of a new organization, the Houston Club, to which any student is eligible, and to this Club is entrusted the government of the Hall. The cost of membership is one dollar a year. The special privileges of the Hall, such as the use of the Club note paper, the baths, billiards, bowling alley, etc., are open only to members of the Club, who pay small fees for the same.

UNIVERSITY DORMITORIES.

METHOD OF ASSIGNMENT.

THE UNIVERSITY DORMITORIES, situated on the plot of ground between Thirty-seventh and Pine Streets and Woodland Avenue, will be ready for occupancy at the opening of the academic year 1896-97. Copies of the plans of the buildings, with sizes of rooms, a list of the rooms to be let, and other information, may be had at the office of the Dean of the College, in College Hall, on and after February 15, 1896. Blank applications for rooms, to be signed by the applicants, will also be ready for delivery at that time.

An announcement of the assignment of rooms will be made on May 9. Rooms for which leases have not been signed at the end of one week from the day when the assignments are made may be re-assigned. As far as possible, length of previous attendance at the University will be considered in the allotments.

In the assignment of a "double room" (marked for two students on the plans), preference will be given to an application signed by two students who will use the room together. Two students wishing to apply for a room together should both sign an application for the room; such an application will be given two chances in the allotment, and any room drawn will be assigned to both the applicants. The University, however, reserves the right to cancel any assignment of a room to two students if the room is not duly claimed and occupied throughout the year by the two students signing the application. Suspension or expulsion from the University, or serious infringement of the rules, will be considered sufficient ground for the cancellation by the University of any lease.

If one of two room-mates is expelled or suspended, or so infringes University rules as to make his removal from the Dormitories necessary, the other room-mate may have the room assigned to him by signing a new application; provided that there are not two other students applying together for the room. Or he may hold the room by taking another room-mate, who must be qualified by filing an application and bond.

Every student wishing to occupy a University room must file with his application a bond for \$125.00. The bond must be signed by two responsible persons, of whom one must be a citizen of the United

UNIVERSITY DORMITORIES.

States. No student or officer of the University will be accepted as bondsman. Or, instead of filing a bond for one of the amounts mentioned, a student may pay in advance the full year's rent of the room, and make a deposit of Ten Dollars to cover possible damage, any balance remaining to be returned when the room is finally given up. Or the student may pay half the year's rent in advance, and give a bond covering the other half and the deposit of Ten Dollars required. Each tenant will be held for the full year's rent and charges against the room. But when the room is vacated before the end of the college year, the bondsmen shall not be held responsible for the rent of the room for the rest of the year if the room is rented to another tenant.

Only members of the University may occupy University rooms. Rentals will include heat, light, and all reasonable care of the rooms. Additional services must be paid for as extras, and must in all cases be performed by persons authorized by the University.

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DEPARTMENT OF MEDICINE.

FACULTY.

CHARLES C. HARRISON, A. M., Provost.

REV. GEORGE S. FULLERTON, PH. D., VICE-PROVOST.

ALFRED STILLÉ, M. D., LL. D., Emeritus Professor of the Theory and Practice of Medicine and of Clinical Medicine.

RICHARD A. F. PENROSE, M. D., LL. D., Emeritus Professor of Obstetrics, and of the Diseases of Women and Children.

WILLIAM PEPPER, M. D., LL. D., Professor of the Theory and Practice of Medicine and of Clinical Medicine.

JAMES TYSON, M. D., Professor of Clinical Medicine.

HORATIO C. WOOD, M. D., LL. D., Professor of Materia Medica, Pharmacy and General Therapeutics.

THEODORE G. WORMLEY, M. D., LL. D., Professor of Chemistry and Toxicology.

JOHN ASHHURST, JR., M. D., LL. D., JOHN RHEA BARTON Professor of Surgery, and Professor of Clinical Surgery.

EDWARD T. REICHERT, M. D., Professor of Physiology.

WILLIAM F. NORRIS, M. D., Professor of Ophthalmology.

BARTON COOKE HIRST, M. D., Professor of Obstetrics.

J. WILLIAM WHITE, M. D., Professor of Clinical Surgery.

JOHN GUITÉRAS, M. D., Professor of General Pathology and Morbid Anatomy.

GEORGE A. PIERSOL, M. D., Professor of Anatomy.

JOHN MARSHALL, M. D., NAT. SC. D., Assistant Professor of Chemistry, and DEAN OF THE FACULTY.

LOUIS A. DUHRING, M. D., Professor of Skin Diseases.

JOHN S. BILLINGS, M. D., LL. D., PEPPER Professor of Hygiene.

CHARLES B. PENROSE, M. D., PH. D., Professor of Gynæcology.

CLINICAL PROFESSORS.

WILLIAM F. NORRIS, M. D., Clinical Professor of Diseases of the Eye.

HORATIO C. WOOD, M. D., LL. D., Clinical Professor of Nervous Diseases.

- LOUIS A. DUHRING, M. D., Clinical Professor of Skin Diseases.
 DE FOREST WILLARD, M. D., Clinical Professor of Orthopædic Surgery.
 B. ALEXANDER RANDALL, M. D., Clinical Professor of Diseases of the Ear.
 J. P. CROZER GRIFFITH, M. D., Clinical Professor of Diseases of Children.
 EDWARD MARTIN, M. D., Clinical Professor of Genito-Urinary Diseases.
-

- JOHN H. MUSSER, M. D., Assistant Professor of Clinical Medicine.
 JOHN B. DEEVER, M. D., Assistant Professor of Applied Anatomy.
 CHARLES K. MILLS, M. D., Professor of Mental Diseases and of Medical Jurisprudence.

LECTURERS, DEMONSTRATORS AND INSTRUCTORS.

- ADOLPH W. MILLER, M. D., Lecturer on Materia Medica and Pharmacy, and Instructor in Practical Pharmacy.
 HENRY R. WHARTON, M. D., Demonstrator of Surgery.
 RICHARD H. HARTE, M. D., Demonstrator of Osteology.
 THOMAS R. NEILSON, M. D., Assistant Demonstrator of Surgery.
 EDMUND W. HOLMES, M. D., Demonstrator of Anatomy.
 ALBERT L. A. TOBOLDT, M. D., Assistant Instructor in Practical Pharmacy.
 JUDSON DALAND, M. D., Instructor in Clinical Medicine and Lecturer on Physical Diagnosis.
 J. P. CROZER GRIFFITH, M. D., Instructor in Clinical Medicine.
 GWILYM G. DAVIS, M. D., M. R. C. S. Eng., Assistant Demonstrator of Surgery.
 JOHN K. MITCHELL, M. D., Lecturer on General Symptomatology and Diagnosis.
 GEORGE H. CHAMBERS, M. D., Assistant Demonstrator of Normal Histology.
 JAMES K. YOUNG, M. D., Instructor in Orthopædic Surgery.
 HENRY W. CATTELL, M. D., Demonstrator of Morbid Anatomy.
 ROBERT FORMAD, M. D., V. M. D., Demonstrator of Normal Histology.
 ARTHUR A. STEVENS, M. D., Lecturer on Medical Terminology, and Instructor in Physical Diagnosis.
 BENJAMIN F. STAHL, M. D., Instructor in Physical Diagnosis.
 JOHN C. HEISLER, M. D., Assistant Demonstrator of Anatomy, and Prosector to the Professor of Anatomy.
 FREDERICK A. PACKARD, M. D., Instructor in Physical Diagnosis.

- RICHARD C. NORRIS, M. D., Instructor in Obstetrics, and Lecturer on Clinical and Operative Obstetrics.
- MILTON B. HARTZELL, M. D., Instructor in Dermatology.
- CHARLES S. POTTS, M. D., Instructor in Electro-Therapeutics and in Nervous Diseases.
- WALTER I. PENNOCK, M. D., Assistant Demonstrator of Anatomy.
- HERMAN B. ALLYN, M. D., Instructor in Physical Diagnosis.
- WILLIAM SCHLEIF, M. D., Assistant Demonstrator of Pharmacy.
- JAMES M. BROWN, M. D., Instructor in Otology.
- W. CONSTANTINE GOODELL, M. D., Instructor in Clinical Gynæcology.
- M. HOWARD FUSSELL, M. D.,
SAMUEL W. MORTON, M. D., } Instructors in Clinical Medicine.
- ALFRED C. WOOD, M. D., Instructor in Clinical Surgery.
- ELLWOOD R. KIRBY, M. D.,
CHARLES L. LEONARD, M. D., } Assistant Instructors in Clinical Surgery.
- JOSEPH MCFARLAND, M. D., Demonstrator of Pathological Histology, and Lecturer on Bacteriology.
- GEORGE C. STOUT, M. D., Assistant Demonstrator of Histology.
- ROBERT S. J. MITCHESON, M. D., Assistant Demonstrator of Anatomy.
- DAVID B. BIRNEY, M. D., Assistant Demonstrator of Surgery.
- JOSEPH P. TUNIS, M. D., Assistant Demonstrator of Surgery and of Anatomy.
- J. ALISON SCOTT, M. D., Instructor in Physical Diagnosis.
- ALFRED STENGEL, M. D.,
T. MELLOR TYSON, M. D., } Instructors in Clinical Medicine.
- CHARLES W. DULLES, M. D., Lecturer on the History of Medicine.
- DANIEL W. FETTEROLF, M. D., Assistant Demonstrator of Chemistry.
- SAMUEL M. HAMILL, M. D., Instructor in Physical Diagnosis.
- HENRY TOULMIN, M. D., Instructor in Physical Diagnosis.
- DAVID RIESMAN, M. D., Assistant Demonstrator of Pathological Histology.
- CHARLES P. GRAYSON, M. D., Lecturer and Instructor in Laryngology.
- HENRY D. BEYEA, M. D., Instructor in Clinical Gynæcology, and Assistant Demonstrator of Obstetrics.
- WILLIAM A. N. DORLAND, M. D., Assistant Demonstrator of Obstetrics.
- WILLIAM S. WADSWORTH, Assistant in Physiology.
- CLARENCE W. LINCOLN, M. D., Assistant Demonstrator of Pathological Histology.

JOHN H. GIRVIN, M. D., Instructor in Clinical Gynæcology, and Assistant Demonstrator of Obstetrics.

WARD F. SPRENKEL, M. D., Assistant Demonstrator of Obstetrics.

LAWRENCE S. SMITH, M. D., Instructor in Clinical Gynæcology.

JOHN M. SWAN, M. D., Assistant Demonstrator of Anatomy.

CHARLES H. FRAZIER, M. D., Assistant Instructor in Clinical Surgery.

WILLIAM R. HOCH, M. D., Instructor in Laryngology.

JAMES P. HUTCHINSON, M. D., Assistant Demonstrator of Surgery.

J. DUTTON STEELE, M. D., Assistant Demonstrator of Morbid Anatomy.

The following graduates of the School conduct the admission examinations in the respective cities in which they reside :

Dr. C. H. MASTIN, cor. Joachim and Tonti Streets, Mobile, Ala.

Dr. C. D. FISHBOURN, 70 McMicken Avenue, Cincinnati, Ohio.

Dr. C. H. BOARDMAN, 503 Wabasha Street, St. Paul, Minn.

Dr. JOHN L. ELLIOTT, Duluth, Minn.

Dr. W. S. ELKIN, 70½ Whitehall Street, Atlanta, Ga.

Dr. J. W. WHITBECK, 125 East Avenue, Rochester, N. Y.

Dr. W. T. BELL, Murphy Building, San Francisco, Cal.

Dr. EDWARD RANDALL, JR., Galveston, Tex.

Dr. F. E. MAINE, Auburn, N. Y.

Dr. B. M. WALKER, Danville, Va.

Rev. D. McNEILL, Charlottetown, P. E. I.

Dr. BENJ. B. CATES, Knoxville, Tenn.

Dr. WILLIAM SEAMAN, 7 Bowdoin Street, Boston, Mass.

Dr. PAUL M. DAY, cor. 14th and Warren Aves., Detroit, Mich.

HOSPITAL STAFF.

WILLIAM PEPPER, M. D., LL. D., Professor of Clinical Medicine.

JAMES TYSON, M. D., Professor of Clinical Medicine.

JOHN ASHHURST, JR., M. D., Professor of Clinical Surgery.

WILLIAM F. NORRIS, M. D., Clinical Professor of Diseases of the Eye.

HORATIO C. WOOD, M. D., LL. D., Clinical Professor of Nervous Diseases.

LOUIS A. DUHRING, M. D., Clinical Professor of Skin Diseases.

BARTON COOKE HIRST, M. D., Professor of Obstetrics.

J. WILLIAM WHITE, M. D., Professor of Clinical Surgery.

JOHN GUITÉRAS, M. D., Professor of General Pathology and Morbid Anatomy, and Pathologist to the Hospital.

CHARLES B. PENROSE, M. D., Ph. D., Professor of Gynæcology.

DE FOREST WILLARD, M. D., Clinical Professor of Orthopædic Surgery.

B. ALEXANDER RANDALL, Clinical Professor of Diseases of the Ear.
 J. P. CROZER GRIFFITH, M. D., Clinical Professor of Diseases of Children.

EDWARD MARTIN, M. D., Clinical Professor of Genito-Urinary Diseases.

ROLAND G. CURTIN, M. D., Assistant Physician.

HENRY R. WHARTON, M. D., } Assistant Surgeons.

RICHARD H. HARTE, M. D., }

W. CONSTANTINE GOODELL, M. D., Assistant Gynæcologist.

JUDSON DALAND, M. D., Assistant Physician.

EDWARD MARTIN, M. D., } Assistant Surgeons.

ALFRED C. WOOD, M. D., }

M. HOWARD FUSSELL, M. D., Assistant Physician.

CHARLES S. POTTS, M. D., Assistant Neurologist.

ALFRED STENGEL, M. D., } Assistant Physicians.

T. MELLOR TYSON, M. D., }

WARD F. SPRENKEL, Assistant Obstetrician.

JOHN S. BILLINGS, M. D., LL. D., U. S. A., Director of the Hospital.

MARY E. P. DAVIS, Superintendent of the Hospital.

JUDSON DALAND, M. D., Curator.

DAVID B. BIRNEY, M. D., Surgical Anæsthetizer.

HENRY D. BEVEA, M. D., Gynæcological Anæsthetizer.

E. P. SCHAEFFER, Apothecary.

SYLVANUS B. NEWTON, M. D., }

HERBERT R. GOODRICH, M. D., }

ERNEST S. RAMSDELL, M. D., }

WILLIAM SCHLEIF, M. D., }

Resident Physicians.

HAROLD BRUNN, M. D., }

J. DE BARTH SHORB, M. D., }

DISPENSARY SERVICE.

M. HOWARD FUSSELL, M. D., Chief Physician in the Medical Dispensary.

T. MELLOR TYSON, M. D., }

SAMUEL M. HAMILL, M. D., }

HENRY D. JUMP, M. D., }

W. GUTHRIE WENDELL, M. D., }

Assistant Physicians in the Medical Dispensary.

W. S. NEWCOMET, M. D., Microscopist to the Medical Dispensary.

ALOYSIUS O. J. KELLY, M. D., } Recorders in the Medical

W. GUTHRIE WENDELL, M. D., } Dispensary.

WILLIAM H. PRICE, M. D., Chief Physician in the Dispensary for Diseases of Children.

Assistant Physician in the Dispensary
for Diseases of Children.

CHARLES P. GRAYSON, M. D., Chief Physician in the Dispensary for
Diseases of the Throat.

WILLIAM R. HOCH, M. D., } Assistant Physicians in the Dispen-
ALEX. H. C. ROWAND, M. D., } sary for Diseases of the Throat.
CHARLES H. FRAZIER, M. D., Chief Surgeon in the Surgical Dispen-
sary.

HILARY M. CHRISTIAN, M. D., Chief Surgeon in the Dispensary for
Genito-Urinary Diseases.

CHARLES N. DAVIS, M. D., } Assistant Surgeons in the Dis-
ROBERT G. LeCONTE, M. D., } pensary for Genito-Urinary
WILLIAM H. FURNESS, 3d, M. D., } Diseases.

LAWRENCE S. SMITH, M. D., Chief Surgeon in the Dispensary for
Diseases of Women.

Assistant Surgeon in the Dispensary for Diseases
of Women.

JAMES K. YOUNG, M. D., Chief Surgeon in the Orthopædic Dispensary.

RANDOLPH FARIES, M. D., } Assistant Surgeons in the Orthopæ-
JOSEPH M. SPELLISSY, M. D., } dic Dispensary.
HOWARD REED, M. D., }

CHARLES S. POTTS, M. D., Chief Physician in the Dispensary for
Nervous Diseases.

WILLIAM EVANS, M. D., } Assistant Physicians in the Dispensary
RICHARD WILSON, M. D., } for Nervous Diseases.

HOWARD MELLOR, M. D., Chief Surgeon in the Dispensary for Dis-
eases of the Eye.

BURTON K. CHANCE, M. D., } Assistant Surgeons in the Dispensary
CHARLES C. RANKIN, M. D., } for Diseases of the Eye.

MILTON B. HARTZELL, M. D., Chief Physician in the Dispensary for
Diseases of the Skin.

CHARLES N. DAVIS, M. D., Assistant Physician in the Dispensary for
Diseases of the Skin.

JAMES M. BROWN, M. D., Chief Surgeon in the Dispensary for Dis-
eases of the Ear.

LEVI J. HAMMOND, M. D., Assistant Surgeon in the Dispensary for
Diseases of the Ear.

All communications relating to the Department of Medicine should
be addressed to

JOHN MARSHALL, M. D.,
Dean of the Faculty of Medicine,
University of Pennsylvania,
Philadelphia, Pa.

The Dean's office is in Medical Hall, where all business pertaining
to the Department of Medicine is transacted. Office hours, 1 P. M. daily.

DEPARTMENT OF MEDICINE.**FOURTH YEAR CLASS.**

Name.	Residence.	City Address.
Brown, James S., A. M., (Dartmouth),	Manchester, N. H.,	3923 Baltimore Ave.
Butterworth, Francis J., M. D.,	Lenni Mills.	
Charlton, Frederick R., M. D.,	Indianapolis, Ind.,	3332 Chestnut St.
Clarke, J. Julius, A. B., (Washington and Jefferson),	Washington,	3917 Pine St.
Colby, George W., M. D.,	Brooklyn, N. Y.,	29 N. 34th St.
Cole, Albert M., Ph. B. (De Pauw,) M. D.,	Indianapolis, Ind.,	3332 Chestnut St.
Cramer, Roland, M. D.,	Des Moines, Iowa,	3347 Woodland Ave.
Cressinger, John B., Ph. B. (Bucknell),	Sunbury,	3338 Walnut St.
Crawhall, George W., M. D.,	Sibley, Iowa,	3347 Woodland Ave.
Davis, Richard, M. A.,	Salem, N. J.,	3715 Spruce St.
De Motte, Jerome,	Otwell, Ind.	
Fisher, Herbert Payne, B. S. (Princeton),	Philadelphia,	1922 Race St.
Garlick, Henry S., M. D.,	Cincinnati, Ohio,	3334 Lancaster Ave.
Gundy, Charles A., B. S. (Bucknell),	Lewisburg,	3254 Chancellor Pl.
Hayes, Charles H., A. B. (Washington and Jefferson),	Washington,	3703 Woodland Ave.
McAdams, Robert J., M. D.,	Nevada, Mo.,	3301 Walnut St.
McConnell, Guthrie,	Philadelphia,	1318 Locust St.
Maxwell, W. Wilson, B. S., (Washington and Jefferson),	Washington,	3703 Woodland Ave.
Mestre, Aristides, M. D.,	Havana, Cuba,	3443 Chestnut St.
Norris, Henry, Jr.,	Philadelphia,	2122 Pine St.
Parker, George H.,	Trenton, N. J.,	3643 Locust St.
Patterson, Francis D.,	Chestnut Hill.	
Patterson, Julius S., M. D.,	Philadelphia,	2005 Westmoreland
Prescott, Harry V., M. D.,	Dallas City, Ill.,	3471 Sansom St. [Ave.
Robinson, Ernest F., A. B.	Lawrence, Kan.,	108 S. 33d St.
Rockhill, Edward P., M. D.,	Philadelphia,	Upsal, G't'n.
Tiffany, Frank M., A. B. (Amherst),	So. Hadley, Mass.,	310 N. 40th St.
Upton, Charles L., A. B. (Amherst),	Shelburne, Mass.,	3923 Baltimore Ave.
Wood, Horatio C., Jr.,	Philadelphia,	1925 Chestnut St.
	Students of the Fourth-year Class, 29.	

THIRD YEAR CLASS.**(THREE YEAR COURSE.)**

Backus, Henry Nelson,	Philadelphia,	2047 Oxford St.
Bauman, J. Warren,	Telford,	29 North 34th St.

Name.	Residence.	City Address.
Beck, Horace P.,	Wilkesbarre,	3328 Walnut Street.
Bickel, Samuel D., V. M. D.,	Norristown.	
Blaine, Walter C.,	Champaign, Ill.,	3926 Sansom St.
Blair, J. Edward,	Latrobe,	3218 Chestnut St.
Blake, Harris J.,	Rochester, N. Y.,	19 S. 32d St.
Boling, James M., M. D.,	Claremore, Ind.	3344 Walnut St.
	Ter.,	
Boston, S. Clifford,	Philadelphia,	1410 Ridge Ave.
Bostwick, John L.,	Kahoka, Mo.,	3332 Chestnut St.
Boulet, Henry A., A. B.	Mobile, Ala.,	3403 Walnut St.
(Spring Hill),		
Brown, Harry H.,	Philadelphia,	115 S. 42d St.
Bryant, F. Otis, B. E.,	Waymart,	3953 Baltimore Ave.
Buck, Wilmarth Samuel,	Crown Point,	3604 Walnut St.
	N. Y.,	
Bullitt, John C., Jr.,	Philadelphia,	125 S. 22d St.
Butler, Rodman,	Augusta, Ga.,	3308 Lancaster Ave.
Carlisle, Henry L.,	Phillipsburg,	3345 Woodland Ave.
Child, Scott P., Ph. B.	Grand Rapids,	1815 Pine St.
(Oberlin),	Mich.,	
Contrell, Robert Graham,	Newark, N. J.,	3421 Walnut St.
Cooper, Hamilton W.,	Wisacky, S. C.,	3421 Walnut St.
Crist, Louis A.,	Scranton,	3643 Locust St.
Davis, William T.,	Camden, N. J.,	302 Cooper St.
Dekker, Cornelis,	Zeeland, Mich.,	3431 Walnut St.
Devereux, John Paul,	Philadelphia,	2321 Green St.
Dingee, William H.,	do.	1920 N. 12th St.
Dodd, Harry H.,	Lewes, Del.,	3345 Woodland Ave.
Donnelly, Edward J., A. B.	Philadelphia,	203 W. York St.
(La Salle),		
Downing, Thomas F.,	Shannon, W. Va.,	3926 Sansom St.
Draper, Alexis Lumb,	Boston, Mass.,	3308 Lancaster Ave.
Dunn, Paul B.,	Mahanoy City,	120 S. 34th St.
Eccles, John,	Battle Creek,	3612 Locust St.
	Mich.,	
Emery, Wm. H.,	Hickory,	104 S. 33d St.
Fargo, Joseph C.,	Augusta, Ga.,	3308 Lancaster Ave.
Filbert, Charles E., A. B.	Pine Grove,	3332 Chestnut St.
(Pennsylvania),		
Fish, Henry C.,	Pittsburg,	3715 Spruce St.
Fleckenstine, Horace,	Philadelphia,	155 Susquehanna Ave.
Fretz, Alfred E.,	Sellersville,	3531 Locust St.
Furst, Dean B.,	Lock Haven,	3422 Sansom St.
Gilligan, John H.,	Wilkesbarre,	4 S. 36th St.
Golden, Henry,	Philadelphia,	3241 Sansom St.
Hamilton, John,	Cedar Rapids, Ia.,	3731 Spruce St.
Hamilton, William A.,	Philadelphia,	604 E. Girard Ave.
Hemphill, Joseph, Jr.,	West Chester,	3713 Powelton Ave.
Huston, David T.,	Philadelphia,	1641 Diamond St.
Irwin, George R.,	Clearfield,	3332 Walnut St.
Jones, Harry H., A. B., B. S.,	Codorus,	3218 Chestnut St.

Name.	Residence.	City Address.
Judd, Charles Hollister,	Buffalo, N. Y.,	3604 Walnut St.
Keiter, Ira A.,	Williamstown,	3322 Woodland Ave.
Keylor, Walter N., B. E.,	Nine Points,	2411 Columbia Ave.
Kirby, Harry W.,	Texarkana, Tex.,	126 S. 34th St.
Klinck, George S.,	Utica, N. Y.,	Hotel Powelton.
Knipe, Arthur Alden,	Philadelphia,	3617 Locust St.
Koch, Otto Andrew, A. B. (C. H. S.),	do.	921 Passyunk Ave.
Koonz, William,	do.	2838 Richmond St.
Lamborn, Carey Lee, A. M. (Lincoln),	Lansdale.	
Laughlin, John Prothero,	Indiana,	3725 Spruce St.
Lippincott, Samuel W., Ph. G.,	Philadelphia,	3434 Sansom St.
Loesch, Harry F.,	do.	909 N. 8th St.
Lyon, Leslie Clyde,	Williamsport,	3420 Sansom St.
Malaun, Murvinton E., B. E.,	Hampton,	3927 Pine St.
Metzger, John A.,	Latrobe,	3604 Powelton Ave.
McCoy, George L.,	Wheeling, W. Va.,	3705 Walnut St.
McGrath, John T.,	Scranton,	35 N. 34th St.
Neufeld, Maurice A.,	Philadelphia,	1909 S. Broad St.
Newlove, George,	Newcastle, Del.,	1437 N. 16th St.
O'Brien, Michael E.,	Sugar Notch,	3435 Lancaster Ave.
Off, Henry John,	Philadelphia,	1930 S. Rittenhouse Sq.
Perry, George B.,	Scranton,	122 S. 34th St.
Petersen, Alfred C. N.,	Worcester, Mass.,	3421 Walnut St.
Pollak, Berthold S., M. D.,	Vienna, Austria,	1309 N. Broad St.
Prall, Samuel O.,	Belvidere, N. J.,	3703 Spruce St.
Reed, J. Ross,	Greensburg,	3332 Walnut St.
Reese, George W.,	Centralia,	3927 Pine St.
Rentschler, Walter R.,	Ringtown,	33 N. 36th St.
Richards, William Lloyd,	Wilkesbarre,	3239 Sansom St.
Savidge, Edgar,	Ridley Park,	1711 Vine St.
Shannon, John Richard,	Philadelphia,	429 Preston St.
Shattuck, Edwin C.,	do.	3424 Sansom St.
Shearer, Christopher H.,	Harrisburg,	3434 Sansom St.
Somers, Lucien B. C.,	Linwood, N. J.,	219 S. 33d St.
Stacey, Harley James, A. B. (Cornell),	Belleville, N. Y.,	434 S. 40th St.
Stehley, Paul H.,	Falling Water, W. Va.,	3602 Locust St.
Sudler Foster,	Sudlersville, Md.,	861 N. 24th St.
Taggart, Howard M.,	Philadelphia,	2011 Fairmount Ave.
Van Horne, Byron G.,	do.	2411 Columbia Ave.
Walker, Charles S.,	Meyersdale,	3421 Walnut St.
Weber, Charles H.,	Philadelphia,	415 S. 10th St.
Wingenbach, Julius F.,	Utica, N. Y.,	3254 Sansom St.
Woods, Harvey W.,	Blain,	3329 Woodland Ave.
Woodward, Edward Blais,	Philadelphia,	16 S. 36th St.
Zaratt, Jacinto,	San Juan, Puerto Rico,	1837 Addison St.
Zemp, Sidney C.,	Camden, S. C.,	3410 Sansom St.
Zugsmith, Edwin,	Allegheny,	129 S. 36th St.

Students of the Third-year Class, 93.

THIRD YEAR CLASS.

Name.	Residence.	City Address.
Allen, Jesse H.,	Columbiana, O.,	131 S. 36th St.
Anspach, Brooke M.,	Williamsport,	3916 Sansom St.
Apgar, Charles S., A. B. (Lafayette),	South Easton,	3915 Baltimore Ave.
Artelt, Henry,	Philadelphia,	2125 N. Broad St.
Atkins, Joseph C.,	Sunnyburn,	54 N. 36th St.
Baldwin, Joseph R., B. S. (Texas),	Austin, Texas,	3332 Chestnut St.
Bardsley, George A., A. B. (C. H. S.),	Philadelphia,	3322 Woodland Ave.
Baum, Simon,	Uniontown,	421 S. 40th St.
Bell, Harry A., A. B. (Washington and Jefferson),	Butler,	3604 Walnut St.
Bell, William Hemphill,	Milwaukee, Wis.,	3716 Chestnut St.
Biedert, Charles C.,	Philadelphia,	1417 Bouvier St.
Biggs, Montgomery H.,	Evanston, Ill.,	3733 Locust St.
Black, William L., B. S. (Westminster),	Westminster, Mo.,	3318 Walnut St.
Blakeslee, Elbert W.,	Forest City,	3314 Walnut St.
Boddy, Edmund C.,	Rochester, N. Y.,	3265 Sansom St.
Boon, William Thomas,	Philadelphia,	3407 Main St., Myk.
Bucher, Hiester, Ph. B. (Lafayette),	Lebanon,	3931 Baltimore Ave.
Butz, Jacob T.,	Allentown,	3304 Woodland Ave.
Buxton, Joseph T.,	Jackson, N. C.,	3250 Chestnut St.
Cameron, William G.,	Traverse City, Mich.	3705 Walnut St.
Campbell, George, A. B. (C. H. S.),	Philadelphia,	311 Reed St.
Casselberry, Clarence M.,	Pottstown,	3733 Locust St.
Castle, Edward B.,	Stockbridge, Mass.,	3913 Woodland Ave.
Chaffee, J. Stuart, Ph. B. (Yale),	Amenia, N. Y.,	19 N. 34th St.
Chattin, J. Franklin,	Trenton, N. J.,	1120 Brown St.
Chestnut, James C.,	Philadelphia,	1757 Frankford Ave.
Clinger, Edgar M.,	Milton,	3743 Spruce St.
Coates, George M., Jr., A. B. (Pennsylvania),	Berwyn,	3604 Walnut St.
Cooper, Francis L.,	Philadelphia,	1243 N. 11th St.
Crawford, J. Lynn, A. B. (Iowa),	Cedar Rapids, Ia.,	3917 Pine St.
Dager, William F.,	Norwich, Canada,	3244 Locust St.
Davis, Walter,	Wilkesbarre,	3727 Spruce St.
Deal, John Colton,	Philadelphia,	5331 Haverford Ave.
DeWolf, Halsey, A. B., (Harvard),	do.	3638 Chestnut St.
Dixon, John W., A. B. (Scio),	Ashtabula, Ohio,	3316 Walnut St.

Name.	Residence.	City Address.
Dunning, Charles M.,	Trenton, N. J.,	111 S. 34th St.
Edger, Benjamin J., Jr., A. B. (C. H. S.),	Philadelphia,	1426 McKean St.
Edwards, John W.,	Brooklyn, N. Y.,	302 S. 40th St.
Ekwurzel, George Macy,	Philadelphia,	4531 Frankford Ave.
Edson, Elmer R.,	Indianapolis, Ind.,	3243 Sansom St.
Elmer, Walter Gray, B. S. (Princeton),	Trenton, N. J.,	3600 Chestnut St.
Eppinger, Abraham W.,	Bismarck, N. Dak.,	3471 Sansom St.
Farrell, John A.,	West Chester.	
Fife, Charles A., A. B. (Stanford),	Pasadena, Cal.,	113 S. 40th St.
Ford, Frank A.,	Bellwood,	120 S. 34th St.
Forrest, George W. K.,	Wilmington, Del.	
Foster, Hugh M., Ph. B., (Dickinson),	Williamsport,	3915 Baltimore Ave.
Fox, Carroll,	Philadelphia,	3922 Chestnut St.
Fretz, J. Edgar, A. B. (Lafayette),	Wissahickon,	206 Sumac St.
Gile, Ben C.,	Philadelphia,	3712 Locust St.
Gillmor, Benjamin F.,	Creston, Iowa,	3917 Pine St.
Given, Ellis E. W.,	Philadelphia,	2714 Columbia Ave.
Gordon, Clark H.,	Allentown, N. J.,	104 S. 33d St.
Graham, Charles A., B. A. (Yale),	Denver, Col.,	3743 Locust St.
Granger, John C., Jr.,	Philadelphia,	502 S. 10th St.
Griffith, Frederic,	do.	2031 Columbia Ave.
Greene, James Edward,	Castile, N. Y.,	3313 Walnut St.
Gunn, Frank, Ph. G.,	Philadelphia,	1428 W. Allegheny Ave.
Hague, Elliott M., Ph. B. (Rochester),	Tidioute,	3265 Sansom St.
Hamilton, Arthur S., B. S. (Iowa),	Wyoming, Ia.,	3225 Sansom St.
Hancock, Frank Bacon, B. S. (Pennsylvania),	Philadelphia,	3841 Powelton Ave.
Hart, Charles D., A. M. (Princeton),	do.	1317 Walnut St.
Heazlit, Lædra,	Auburn, N. Y.,	3743 Spruce St.
Henning, Edward R.,	West Liberty, O.,	3531 Locust St.
Herr, William Hubley, A. B. (Franklin and Marshall),	Lancaster,	3332 Walnut St.
Hirst, John Cooke,	Philadelphia,	2121 Sansom St.
Hodge, C. Van Rensselaer, A. B. (Princeton),	Burlington, N. J.,	300 S. 36th St.
Hodges, Olye S., B. S. (Southwestern),	Georgetown, Tex.,	3332 Chestnut St.
Holloway, Thomas B., B. S. (Lafayette),	Danville,	54 N. 36th St.
Holmes, Lawrence E., B. A. (Tennessee),	Bowman's Bluff, N. C.,	109 S. 34th St.

Name.	Residence.	City Address.
Hughes, Willit P.,	Shickshinny,	3727 Spruce St.
Hurst, Harry H.,	Beaver,	3248 Sansom St.
Jenner, Albert G.,	Milwaukee, Wis.,	3617 Locust St.
Johnson, F. J. LeMoyne,	Washington,	3423 Chestnut St.
B. S. (Washington and Jefferson),		
Jones, Thomas C.,	Scranton,	3314 Walnut St.
Kane, J. A. Bayard,	Philadelphia,	245 S. 15th St.
Kellogg, Frederick Sherlock,	do.	4254 Regent Sq.
A. B. (Princeton),		
Kiefer, Hugo A., A. B.	Los Angeles, Cal.,	126 S. 34th St.
(Stanford),		
Kinzer, Amos S.,	Terre Hill,	3501 Locust St.
Klump, George B.,	Williamsport,	3916 Sansom St.
Koons, Harry H.,	Shickshinny,	3719 Spruce St.
Kriz, George H.,	Milwaukee, Wis.,	33 N. 34th St.
Lauderdale, Walter C.,	Philadelphia,	4605 Springfield Ave.
Leonard, Ward H., B. S.	Highland, Kan.,	3909 Pine St.
(Highland),		
Light, John J.,	Avon,	3432 Sansom St.
Loder, A. Grant, A. B.	Philadelphia,	517 S. 8th St.
(Muhlenberg),		
Lodholz, Edward, A. B.	Philadelphia,	3103 Diamond St.
(C. H. S.),		
Long, John D., A. B.	Greensburg,	3917 Pine St.
(Washington and Jefferson),		
Ludington, Paul H., A. B.	Omaha, Neb.,	120 S. 34th St.
(Princeton),		
Lungershausen, Walde-	Mt. Clemens,	265 S. 38th St.
mar T.,	Mich.	
Lyon, Edward, Jr.,	Williamsport,	3332 Walnut St.
McConnell, Charles W.,	Thomas,	121 S. 34th St.
McKelway, John Irwin,	Philadelphia,	1612 Locust St.
Mackenzie, Robert H. M.,	Scranton,	4023 Locust St.
Macrum, Robert S.,	Pittsburg,	131 S. 36th St.
May, James V., A. B.	Lawrence, Kan.,	3248 Sansom St.
(Kansas),		
Miller, A. Baxter,	Factoryville,	3929 Baltimore Ave.
Miller, Harry G.,	Bridgeton, N. J.	3727 Pine St.
Miller, William G.,	Penllyn,	3332 Walnut St.
Mills, Harry Brooker,	Philadelphia,	1713 N. 22d St.
Mitchell, Robert H.,	Memphis, Tenn.,	3600 Hamilton St.
Moore, George R., Jr.,	Trenton, N. J.,	3347 Woodland Ave.
Morin, Michelle Arnold,	Jamaica, W. I.,	3347 Woodland Ave.
Mossgrove, J. Ross, Jr.,	Steubenville, O.,	3314 Walnut St.
Müller, Andrew J.,	Philadelphia,	1144 N. 4th St.
Mulrenan, John P., A. B.	do.	1201 S. 16th St.
(C. H. S.),		
Neff, Elmer E.,	Alexandria,	121 S. 34th St.
Newman, Oscar A.,	Steelton,	104 S. 33d St.
O'Hara, Thomas A., A. B.	Philadelphia,	31 S. 16th St.
(C. H. S.),		

Name.	Residence.	City Address.
Oesterling, Harry E., V. M. D.	Wheeling, W. Va.,	3958 Pine St.
Osborne, Albert Edgar,	Oakland, Cal.,	Media.
Ostheimer, Maurice, A. B. (Harvard),	Wyncote,	1419 Walnut St.
Parker, Jabez S.,	Pottsville,	741 N. 41st St.
Pepper, William, Jr., A. B. (Pennsylvania),	Philadelphia,	3801 Ludlow St.
Price, Thomas L.,	Pemberton, N. J.,	3254 Chancellor Place.
Pyle, Wallace,	Jersey City, N. J.,	3643 Locust St.
Quicksall, William E.,	Frankford,	1705 Oxford St.
Remaly, Charles Edward,	Easton,	3915 Baltimore Ave.
Remington, Arthur Hart,	Philadelphia,	1832 Pine St.
Robbins, Walter J.,	do.	1335 S. 6th St.
Roberts, Isaac Burton,	New Centreville,	305 S. 39th St.
Roberts, Norman, A. B. (C. H. S.),	Philadelphia,	3925 Baltimore Ave.
Roop, Harry B., B. S. (Lebanon Valley),	Highspire,	3338 Chestnut St.
Saylor, Edwin S.,	Philadelphia,	3907 Pine St.
Schleicher, J. R. Harvey, B. S. (Palatinate),	Ashfield,	3244 Locust St.
Schlesman, Charles H.,	Girardville,	3931 Baltimore Ave.
Scott, John B., A. M. (Wesleyan),	Philadelphia,	3918 Sansom St.
Senseman, Theodore,	Atlantic City, N. J.,	1518 Marshall St.
Seymour, Walter E.,	Warren, R. I.,	3308 Woodland Ave.
Sherman, Elbert S.,	Manasquan, N. J.,	3243 Sansom St.
Sherrer, Samuel H.,	Pittsburg,	University.
Shimer, Ira A., A. B. (Lehigh),	Bethlehem,	3338 Walnut St.
Simcox, Lawrence,	Houlton, Me.,	126 S. 34th St.
Sinclair, John F., A. B. (Pennsylvania),	Cedar Rapids, Ia.,	300 S. 36th St.
Siter, E. Hollingsworth,	Philadelphia,	2038 Locust St.
Skilern, Ross H.,	do.	3509 Baring St.
Smalley, Mahlon C.,	Liberty Corner, N. J.,	3252 Sansom St.
Smith, Eugene A.,	Madison, Wis.,	258 S. 37th St.
Smith, J. Anson, B. S. (Pennsylvania),	Gloucester, N. J.	
Smith, George L., Ph. G.,	Orrstown,	5538 Wayne Ave. Gtn.
Smith, Harvey F., Ph. B. (Bucknell),	Harrisburg,	3338 Walnut St.
Smith, William C.,	Airville,	54 N. 36th St.
Smyth, Henry Field,	Philadelphia,	Penn and Chew Sts., Germantown.
Sowash, Joseph L.,	Irwin,	120 S. 34th St.
Spencer, Daniel Hooker, A. B. (Kansas),	Lawrence, Kan.,	3227 Sansom St.
Stafford, Samuel P.,	Philadelphia,	1432 Lombard St.

Name.	Residence.	City Address.
Sterrett, Rufus A., B. S. (Washington and Jefferson),	Washington,	3703 Woodland Ave.
Storm, Walter,	Delaware Water Gap,	3907 Pine St.
Stubbs, Ralph P.,	Wilmington, Del.,	61 N. 34th St.
Sweeney, George A.,	Chester,	[609 Welsh St.]
Taylor, David T.,	Philadelphia,	2110 Mt. Vernon St.
Trainer, Robert Fitzimmons,	Williamsport,	3915 Baltimore Ave.
Trexler, James E.,	Fort Washington,	4438 Chestnut St.
Truby, Albert E., B. S. (Pennsylvania),	Otto, N. Y.,	3336 Chestnut St.
Truby, Willard F., B. S. (Pennsylvania),	do.	3336 Chestnut St.
Twaddell, Thomas P. H.,	Philadelphia,	4203 Chester Ave.
Wadsworth, William S.,	do.	101 S. 33d St.
Wagner, Andrew F., A. B. (Lafayette),	Easton,	3475 Sansom St.
Wagner, Jesse F.,	Carbondale,	421 S. 40th St.
West, George Silas, A. B. (Princeton),	Philadelphia,	4540 Sansom St.
Wightman, James M.,	Montague, P. E. I.,	3331 Walnut St.
Wille, Clarence Woldemar, A. B. (C. H. S.),	Philadelphia,	2600 Girard Ave.
Williams, Carl S., B. S. (Pennsylvania),	Wellington, Ohio,	3617 Locust St.
Willson, Robert N., Jr., A. B. (Pennsylvania),	Philadelphia,	300 S. 36th St.
Wister, James W.,	do.	Green St., Gtn.
Woodruff, Wylie G.,	Beloit, Kan.,	3607 Locust St.
Worth, William T., B. E. (Millersburg),	Coleraine,	3607 Locust St.
Wylie, Charles R., A. B. (Princeton),	Philadelphia,	420 S. 43d St.

Students of the Third-year Class, 188.

SECOND YEAR CLASS.

Ahlborn, Maurice B.,	Wilkesbarre,	3342 Walnut St.
Alexander, Guy L.,	Lancaster,	3320 Woodland Ave.
Allen, Alfred Reginald,	Bethlehem.	
Anderson, Harry M.,	Allentown, N. J.,	3323 Walnut St.
Andrew, Russell G., Jr.,	Navesink, N. J.,	3240 Chestnut St.
Armstrong, William N.,	Lock Haven,	3711 Powelton Ave.
Arner, Quintin D.,	Philadelphia,	3323 Walnut St.
Atkinson, Hugh Hamilton, B. S. (North Carolina),	Asheville, N. C.,	3431 Walnut St.
Auerbach, Maxime Arthur,	New York, N. Y.,	4127 Woodland Ave.
Babbitt, James A., B. A. (Yale),	Haverford.	
Barndt, Frank, A. B. (Penna. Coll.),	Sumneytown,	3256 Chestnut St.
Becker, Harvey M.,	Hanover,	3619 Locust St.

Name.	Residence.	City Address.
Bennett, John, Jr.,	Philadelphia,	1614 N. 7th St.
Bernd, Leo Heller,	Macon, Ga.,	3643 Locust St.
Bichler, Jacob W.,	Middleport,	19 S. 32d St.
Bitzer, Newton E.,	Lancaster,	3615 Locust St.
Birnie, Charles W.,	Charleston, S. C.,	3223 Woodland Ave.
Bloomhardt, Fred H., A. B. (Penna. Coll.)	Altoona,	3265 Woodland Ave.
Bolan, Herbert A., A. B. (Georgetown),	Philadelphia,	869 N. 41st St.
Barber, Thomas, A. B. (Lafayette),	Phillipsburg, N. J.,	3609 Locust St.
Barker, Olin G. A., Ph.B. (Lafayette),	Ebensburgh,	3926 Pine St.
Barth, George P., A. B. (Wisconsin),	Milwaukee, Wis.,	3439 Woodland Ave.
Bobb, Eugene H., A. B. (Franklin and Marshall),	East Greenville,	3721 Powelton Ave.
Borger, Otto P.,	Philadelphia,	704 S. 4th St.
Bower, Albert E.,	Marionville,	N. E. 34th and Lancaster Ave.
Boyle, Morris P.,	Philadelphia,	1534 Diamond St.
Brown, F. Wigton,	West Chester,	102 S. 40th St.
Brick, Benjamin K., B. S. (Bucknell),	Marlton, N. J.,	117 S. 34th St.
Bringham, Joseph,	Marshallton, Del.,	34th & Lancaster Ave.
Britton, T. Vassar,	Flemington, N. J.,	3643 Locust St.
Brown, Alexander M., B. S. (Amherst),	Pleasantville,	131 S. 36th St.
Brown, Frank M.,	Monticello, Ill.,	3926 Sansom St.
Bumstead, Charles M.,	Decatur, Ill.,	3913 Woodland Ave.
Burns, Louis J. I.,	Philadelphia,	753 S. 20th St.
Campbell, Oscar C.,	Lancaster,	3615 Locust St.
Campbell, William M.,	Port Royal,	3619 Locust St.
Carpenter, Gilbert Vilas,	Iron Mountain, Mich.	3803 Ludlow St.
Carpenter, Howard P.,	Wilmington, Del.	
Carey, Harry K.,	Philadelphia,	836 N. 19th St.
Casey, Michael Lester, A. B. (Rochester),	Rochester, N. Y.,	3805 Baring St.
Clemens, Thomas J.,	Philadelphia,	2028 Madison Ave.
Clyde, Harry Edwards,	Chester.	
Conaway, Walt P., A. B. (Delaware),	Dover, Del.,	3715 Spruce St.
Corser, John B.,	Pottsville,	3423 Walnut St.
Cox, Lester E.,	Dixfield, Me.,	236 S. 39th St.
Craig, Frank A.,	Philadelphia,	3417 Baring St.
Crampton, George S.,	Rock Island, Ill.,	1503 Spruce St.
Cramer, Alfred, Jr., A. B. (Princeton),	Cramer Hill, N. J.,	102 S. 36th St.
Crawford, James Rea, A. B. (Washington and Jefferson),	Philadelphia,	3917 Pine St.

Name.	Residence.	City Address.
Cregar, P. Bodine, B. S. (Bucknell),	Annandale, N. J.,	3204 Chestnut St.
Crowe, William Wilson,	Philadelphia,	3419 Hamilton St.
Cruice, John M., A. B. (Pennsylvania),	do.	114 N. 18th St.
Darlington, Emerson E.,	New Bloomfield,	3329 Woodland Ave.
Darrah, Percival Walter,	Leavenworth, Kan.	3719 Spruce St.
Davis, Edward L.,	Danville,	3204 Chestnut St.
Davis, Harry T.,	St. Clair,	741 N. 41st St.
DeLaney, Matthew A.,	Waymart,	3953 Baltimore Ave.
Denckla, Herman A.,	Philadelphia,	2032 De Lancey Place.
Dewing, Louis A.,	Boston, Mass.,	3602 Locust St.
Dickinson, Breese M., A. B. (Kansas),	Lawrence, Kan.,	3243 Sansom St.
Dobbyn, George H. S.,	Beechworth, Australia,	3960 Pine St.
Dorety, Philip J.,	Trenton, N. J.,	125 Taylor St.
Downey, Harry A.,	Point Pleasant, N. J.	3320 Walnut St.
Draper, James A., Jr., B. A. (Yale),	Wilmington, Del.,	3801 Ludlow St.
Du Bell, Amos K., Jr.,	Columbus, N. J.,	3643 Locust St.
Eastwood, James S., B. A. (Tufts),	West Brattleboro', Vt.	3234 Chestnut St.
Edwards, James E., A. B. (Grove City),	Slate Lick,	3316 Walnut St.
Eichel, Sidney J.,	Evansville, Ind.,	3220 Chestnut St.
Elmer, Macomb, B. S. (Princeton),	Bridgeton, N. J.,	3600 Chestnut St.
Ent, W. Harry,	Pottsville,	223 S. 33d St.
Falk, Harry S.,	Wilkesbarre,	223 S. 33d St.
Farquhar, Raymond R.,	Philadelphia,	2230 Spruce St.
Farr, Clifford B., A. B. (Haverford),	Wenonah, N. J.,	4310 Sansom St.
Ferry, Ralph W.,	Niles Valley,	1748 N. 22d St.
Feldman, Max, Ph. G.,	Newark, N. J.,	3430 Sansom St.
Fetterman, Wilfrid B., Jr.,	Philadelphia,	524 Walnut St.
Field, William H.,	Evansville, Ind.,	3611 Locust St.
Flannery, Henry, Jr.,	Douglasville,	3338 Walnut St.
Fletcher, Marcus S.,	Rich Farm, Ill.,	3929 Baltimore Ave.
Foerster, Otto H.,	Milwaukee, Wis.,	3439 Woodland Ave.
Foster, Curtis S., A. B.,	East Brady,	3715 Locust St.
Francine, Albert P., A. B. (Pennsylvania), A. M. (Harvard),	Philadelphia,	1404 Spruce St.
Freeman, Samuel,	Trenton, N. J.,	668 S. Broad St.
Garth, Robert M.,	Mill Hall,	3420 Sansom St.
Gibbons, J. Miles,	Scranton,	3259 Sansom St.
Githens, Thomas F.,	Philadelphia,	1512 Pine St.
Gleeson, James J., B. S. (Manhattan),	New Haven, Conn.,	15 N. 34th St.

Name.	Residence.	City Address.
Gosman, George H., Jr.,	Brooklyn, N. Y.,	3604 Walnut St.
Gottschalk, Leon,	Chester.	
Greer, Robert Bruce, B. S. (Penna. State College),	Butler,	4030 Spg. Garden St.
Griffin, Thomas W.,	Woodstock, N. B.,	3257 Woodland Ave.
Grissinger, J. Weir,	Mechanicsburg,	3733 Locust St.
Groh, John B.,	Lickdale,	3316 Walnut St.
Grosser, Claude R.,	Wilkesbarre,	15 N. 34th St.
Haig, Charles R., Jr.,	Philadelphia,	1901 Master St.
Hanley, Walter S.,	do.	1255 N. 10th St.
Harbridge, Delamere*F.,	Racine, Wis.,	1110 College Ave.
Harris, Edward H., B. S. (Penna. State College),	Bellefonte,	1903 Green St.
Harris, Richard H.,	Philadelphia,	913 Diamond St.
Hershey, Jacob D.,	Mountville,	3336 Chestnut St.
Herst, George R.,	Pittsburg,	108 S. 33d St.
Hess, W. Giles,	Chestnut Level,	3336 Chestnut St.
Hinson, Eugene T.,	Philadelphia,	1339 S. 19th St.
Hoffman, Miles A.,	Rosemont.	
Hollingworth, Arthur,	Pawtucket, R. I.,	3705 Walnut St.
Hollister, Frederic P.,	Wilkesbarre,	3344 Walnut St.
Horning, Henry,	Chester,	528 W. 2d St.
Hoskins, John,	Elwyn,	
Howard, Frederick H.,	Philadelphia,	221 St. Marks Square.
Hutchinson, A. Dunbar,	Trenton, N. J.,	3331 Walnut St.
Inslee, Fayette L.,	Le Raysville,	3619 Locust St.
James, Harry M.,	New York, N. Y.,	223 S. 33d St.
Jarvis, George O.,	Portland, Conn.,	3637 Locust St.
Jefferys, William Hamilton, A. B. (Pennsylvania),	Philadelphia,	3928 Walnut St.
Johnston, John,	do.	1711 Wallace St.
Jones, R. S. Preston,	W. Collingswood, N. J.,	29 N. 34th St.
Kaines, Arthur W.,	Girardville,	3316 Walnut St.
Kelley, Samuel J. J.,	Philadelphia,	2102 N. 6th St.
Kelsay, Clarence,	Evansville, Ind.,	3220 Chestnut St.
Kennedy, Lucius Carter, A. B. (Princeton),	Scranton,	102 S. 36th St.
Kilgore, Frank D.,	Harrisburg,	3252 Sansom St.
King, George F. J., B. P. (Brown),	Providence, R. I.,	101 S. 37th St.
Kistler, Arthur S.,	Mount Jewett,	3705 Walnut St.
Lammer, Francis J.,	Philadelphia,	1704 Dauphin St.
Leavitt, Frank C.,	Leetonia, Ohio,	3410 Sansom St.
Le Boutillier, Theodore,	Philadelphia,	E. Washington Lane, Germantown.
Liggett, J. Willard, A. B.,	Leesville, Ohio,	3410 Sansom St.
Lindauer, Eugene,	Frostburg, Md.,	3643 Locust St.
Linn, C. Francis, A. B. (Washington and Jefferson),	Washington,	3267 Woodland Ave.
Lippert, William H.,	Philadelphia,	2015 Ridge Ave.

Name	Residence.	City Address.
Lowa, Walter,	Philadelphia,	657 N. Broad St.
Luburg, Leon F.,	do.	N. E. cor. 7th and Arch Sts.
Lyon, Charles Hodge, A. B. (Wooster),	Wooster, Ohio,	832 N. Broad St.
Manasses, Jacob L., A. B. (Alabama),	Montgomery, Ala.,	1365 S. 46th St.
Markley, J. Morris,	Schwenksville,	3320 Walnut St.
Marsh, Robert J.,	Eugene, Ore.,	105 S. 34th St.
Marshall, Alfred Cookman,	Philadelphia,	610 S. 22d St.
Mason, Wellington,	Williamstown,	3432 Sansom St.
Mattern, William K., Jr.,	Philadelphia,	2602 Germantown Av.
Maxwell, Wallace L.,	Fernandina, Fla.,	3705 Powelton Ave.
Melley, Charles A.,	Lansford,	32 N. 37th St.
Miller, James P., Jr.,	Livingston, Tenn.,	3421 Walnut St.
Miller, John D., A. B. (Kansas State),	Peabody, Kan.,	3243 Sansom St.
Mintzer, Leonidas H. C.,	Philadelphia,	2144 S. 15th St.
Mitchell, Charles F.,	Wilkesbarre,	3342 Walnut St.
Mitchell, Edward D., Jr.,	Memphis, Tenn.,	3600 Hamilton St.
Monagan, Charles A., B. S. (Trinity),	Waterbury, Conn.,	3313 Walnut St.
Moore, Edward Kemp,	Clayton, N. J.,	300 S. 36th St.
Moore, Seth E.,	Washington, D.C.,	2418 Spruce St.
Morales, Marcos Delio,	Philadelphia,	2101 Camac St.
Moran, Patrick J.,	Edwardsville,	15 N. 34th St.
Murtagh, John A.,	Philadelphia,	Cor. Hancock and Price Sts.
Myers, Albert William,	Milwaukee, Wis.,	3716 Chestnut St.
McAniff, Hugh P.,	Wilkesbarre,	15 N. 34th St.
McCauly, W. Lloyd,	Stanley, N. Y.,	300 S. 36th St.
McCoy, G. Walter,	Cumberland, Md.,	3434 Sansom St.
McCullogh, Samuel, A. B. (Pennsylvania),	Worcester, Mass.,	2012 Race St.
McWilliams, Frank,	Schuylkill Haven,	3715 Spruce St.
Neidermeier, Arthur F.,	Trenton, N. J.,	330 N. Clinton St.
Norris, Charles C.,	Chestnut Hill,	Gravers Lane.
Orbison, Thomas J.,	Bellefonte,	Overbrook.
Ostheimer, Alfred J., Jr.,	Wyncote,	1419 Walnut St.
Pancoast, Henry K.,	Philadelphia,	3205 Baring St.
Parker, Clifford B.,	Pittsburg,	3731 Spruce St.
Parker, Ely E.,	Freehold, N. J.,	1023 Spruce St.
Paxon, Elmer M.,	Philadelphia,	27th and Ridge Ave.
Paynter, Rowland G., B. A. (Yale),	Georgetown, Del.,	3303 Walnut St.
Pennell, Howard Y.,	Wawa.	
Peters, Urban J. W.,	Salt Lake City, Utah,	3260 Chestnut St.
Petry, William,	Newark, N. J.,	3430 Sansom St.
Phillips, James McIlvaine,	Scranton,	3338 Walnut St.
Potter, Gurdon,	Philadelphia,	4724 Warrington Ave.

Name.	Residence.	City Address.
Portser, Iden M.,	Greensburg,	3338 Walnut St.
Price, George E.,	Philadelphia,	517 N. 37th St.
Rambo, Harry W.,	Bridgeport.	
Rapp, Jesse P.,	Norristown.	
Reid, Robert S.,	Savannah, Ga.,	3613 Locust St.
Richman, Edward M.,	Philadelphia,	2030 Brandywine St.
Rishel, Eugene C.,	Danville,	3338 Chestnut St.
Risley, J. Norman,	Philadelphia,	1722 Walnut St.
Roberts, Frederick C., B. S.	Dodgesville, Wis.,	206 S. 36th St.
(Wisconsin),		
Robinson, George, Jr.,	Philadelphia,	1930 Gratz St.
Robison, John L.,	State College,	3619 Locust St.
Roland, Charles,	Reading,	3611 Locust St.
Romero, Nicolas, B. A.,	Masaya, Nic.,	3323 Walnut St.
Russ, Witten B.,	San Antonio, Tex.,	3913 Woodland Ave.
Ryan, George W.,	Watertown, N. Y.,	3615 Locust St.
Salmon, Leon T.,	Lock Haven,	3611 Locust St.
Sands, W. Hupp,	Fairmont, W. Va.,	102 S. 40th St.
Scherer, Louis Frederic,	Philadelphia,	3643 Locust St.
Schrack, William D.,	do.	127 Harvey St., Gtn.
Shailer, Sumner,	New York, N. Y.,	3218 Chestnut St.
Shepherd, Irwin J.,	Delaware City,	3715 Spruce St.
	Del.,	
Shoemaker, William Ray,	Ebensburg,	3926 Pine St.
Schamberg, Morris I.,	Philadelphia,	831 N. Broad St.
Shortlidge, Charles B.,	Concordville.	
Sichel, Clarence C.,	Philadelphia,	1812 Mt. Vernon St.
Sickel, Horatio G.,	do.	2420 N. Broad St.
Smith, Charles R., A. B.	do.	215 S. 33d St.
(Union),		
Smith, Frank H., A. B.	North Hadley,	215 S. 33d St.
(Amherst),	Mass.,	
Smith, J. Greer,	Philadelphia.	Manayunk.
Smith, Rodney,	Saegerstown,	3934 Pine St.
Smith, William B.,	Philadelphia,	1612 Diamond St.
Smitheman, Edward W.,	do.	3510 Hamilton St.
Snell, Albert C.,	Geneva, N. Y.,	3617 Locust St.
Speirs, George C.,	Hartford, Conn.,	3316 Woodland Ave.
Stanton, William B.,	Scranton,	3643 Locust St.
Stark, Charles G.,	St. Peter, Minn.,	3421 Walnut St.
Steele, John Gurdon,	Wellsboro',	3273 Sansom St.
Steer, Samuel Lewis, A. B.	Philadelphia,	2213 Wallace St.
(C. H. S.),		
Stemple, John H., Jr.,	Conshohocken.	
Stewart, Thomas S., Jr.,	Philadelphia,	1031 Spruce St.
Stock, George A.,	Gettysburg,	258 S. 38th St.
Stretch, Charles F., A. B.	Philadelphia,	1623 N. 18th St.
(C. H. S.),		
Sturges, Leigh F.,	Lewiston, Me.,	730 N. 40th St.
Sutton, Howard A.,	Haverford.	
Sweet, Earl B.,	Los Angeles, Cal.,	3210 Chestnut St.

Name.	Residence.	City Address.
Target, John D.,	Philadelphia,	1600 S. 12th St.
Thomas, John Quincy,	Norristown.	
Thompson, Albert E., A. B.	Washington,	3267 Woodland Ave.
(Washington and Jefferson),		
Thompson, Edward M.,	Philadelphia,	3117 Diamond St.
Tismer, Gustav P.,	Mahanoy City,	3737 Locust St.
Tobias, John B.,	South Gibson,	3926 Pine St.
Tracey, Stephen E.,	Richmond, N. B.,	3331 Walnut St.
Uhle, Alexander A., A. B.	Philadelphia,	Chestnut Hill.
(C. H. S.),		
Vail, James L.,	Quakertown, N. J.,	3740 Powelton Ave.
Van Camp, David W., A. B.	Plainfield,	3265 Woodland Ave.
(Penna. Coll.),		
Vernon, S. Milton, Jr.,	Philadelphia,	252 N. 13th St.
Wales, Joseph P., Ph. B.	Wilmington, Del.	
(Yale),		
Wanamaker, John, 3d, A. B.	Philadelphia,	1511 Mt. Vernon St.
(C. H. S.),		
Warner, Albert Rowland,	Rosemont.	
Warner, Harry M., B. S.	Glenn's Falls,	3731 Spruce St.
(Cornell),	N. Y.,	
Weber, Willis Clarence, A. B.	Sunbury,	3531 Locust St.
(Bucknell),		
Weeks, David F.,	Trenton, N. J.,	3531 Locust St.
Weidler, Walter Bair,	Lancaster.	
Weimer, Clay H., B. S.	Cumberland, Md.,	3643 Locust St.
(Maryland Agricultural),		
Weisser, Edward A.,	Pittsburg,	3731 Spruce St.
Westervelt, Harry C.,	do.	3938 Pine St.
Williams, Edward N., B. S.	New Hope,	3306 Race St.
(Swarthmore),		
Wilson, George T.,	Hoosick Falls,	3733 Locust St.
	N. Y.,	
Wilson, Joseph G.,	Flushing, Ohio,	1930 Brewster Place.
Witherspoon, Charles R.,	Rochester, N. Y.,	3805 Baring St.
A. B. (Rochester),		
Woodward, Henry T., A. B.	San Diego, Cal.,	3268 Sansom St.
(Stanford),		
Wordin, Charles B., A. B.	Princeton, N. J.,	4208 Walnut St.
(Princeton),		
Wright, Galen Rowe,	Baltimore, Md.,	3338 Chestnut St.
Wunder, Charles W.,	Philadelphia,	4802 Springfield Ave.
Yawger, Nathan S.,	Trenton, N. J.,	5015 Greenway Ave.

Students of the Second-year Class, 247.

FIRST YEAR CLASS.

Anderson, Guy Roland, B. S.	Sinnemahoning,	3215 Powelton Ave.
(Williamsport Seminary),		
Anderson, Joseph W.,	Norristown.	
Arosemena, Paul,	Guayaquil, Ecua-	4001 Locust St.
	dor, S. A.,	

Name.	Residence.	City Address.
Austin, William S., A. B. (Tennessee),	Brownsville, Tenn.,	3471 Sansom St.
Axford, W. Homer,	Naughtright, N. J.,	111 S. 34th St.
Bailey, Orville E.,	Washington, D.C.,	3320 Walnut St.
Baker, Hugh,	Wilmington, Del.	
Ball, George K.,	Faulkland, Del.,	3347 Woodland Ave.
Bare, Horace C.,	Philadelphia,	2030 Mt. Vernon St.
Barnhart, Henry B.,	Greensburg,	3323 Walnut St.
Barnhill, Edwin M.,	New Philadelphia, Ohio,	3904 Walnut St.
Barranco, Marco Antonio,	Tabasco, Mex.,	3340 Chestnut St.
Barry Chester L.,	Oxford,	13 S. 15th St.
Bassett, Carl,	Bridgeton, N. J.,	3313 Walnut St.
Bayne, Eugene D. C.,	Wilmington, Del.,	1722 N. 15th St.
Behrend, Moses, A. B. (C. H. S.),	Philadelphia,	1324 N. 6th St.
Benz, Ferdinand L.,	Pittsburg,	105 S. 34th St.
Bishop, Franklin L.,	Boston, Mass.,	3331 Walnut St.
Black, Jotham F.,	Springfield, Mass.,	3422 Sansom St.
Bleich, William D.,	Newark, N. J.,	3204 Chestnut St.
Bock, Frank W.,	Dansville, N. Y.,	3344 Lancaster Ave.
Bogart, Arthur E.,	Philadelphia,	1913 Passyunk Ave.
Bolton, Alfred H., Jr., Ph. G.,	do.	Chew & Chelten Ave., Germantown.
Boltz, Will D.,	Lebanon,	3929 Baltimore Ave.
Bontecou, Howell S.,	Matteawan, N. Y.,	430 N. 34th St.
Booth, William A.,	Philadelphia,	2303 N. 13th St.
Bremer, Paul F.,	do.	1723 Spg. Garden St.
Bordman, Albertis K.,	Sheffield, Mass.,	3342 Walnut St.
Boyd, J. C. Mercer,	Philadelphia,	1815 Pine St.
Boyd, John K.,	Amsterdam, N. Y.,	246 Franklin St.
Bowen, Frederick C. H.,	Bridgetown, Barbadoes,	3301 Walnut St.
Bradeen, Fred. B.,	Greenville, Me.,	3342 Walnut St.
Bradley, Charles A.,	Philadelphia,	4517 Hoopes St.
Breed, Maurice E.,	Pittsburg,	3727 Spruce St.
Brown, Samuel H., Jr.,	Bala,	3604 Hamilton St.
Browse, Henry N.,	Grape Island, W. Va.	3725 Spruce St.
Burden, Reginald M.,	Green Bay, Wis.,	403 N. 40th St.
Burke, Charles B.,	Canandaigua, N. Y.	3320 Walnut St.
Busch, John W. A.,	Philadelphia,	2208 N. 19th St.
Byrne, Thomas J.,	do.	2200 Tasker St.
Caldwell, John D.,	Hollidaysburg,	3609 Locust St.
Carnett, J. Berton,	Ansonia,	3421 Walnut St.
Cassidy, Paul B.	Wilkesbarre,	15 N. 34th St.
Chambers, James O., A. B. (Washington and Lee),	Lexington, Mo.,	3420 Sansom St.
Chandler, H. Lewellyn,	Toughkenamon.	
Cheek, Spurgeon,	Danville, Ky.,	3322 Woodland Ave.

Name.	Residence.	City Address.
Cheyney, J. Warren,	West Chester,	113 S. 34th St.
Christy, George H., A. B. (C. H. S.),	Philadelphia,	1739 N. 21st St.
Cilly, Bradbury, A. B. (Amherst), A. M. (Columbia),	do.	4132 Eaglesfield St.
Clemens, Francis, Jr.,	do.	4800 Baltimore Ave.
Colgan, John A.,	do.	2221 N. Broad St.
Collier, W. Burton,	Coxsackie, N. Y.,	3706 Spruce St.
Comegys, Robert A.,	Middletown, Del.,	3338 Chestnut St.
Connell, Theodore E.,	Scranton,	213 De Kalb Square.
Cooke, Henry G., Jr.,	Philadelphia,	1719 Ontario St.
Cooley, Martin J., Jr.,	Savannah, Ga.,	15 N. 34th St.
Cottle, Louis A.,	Boston, Mass.,	3331 Walnut St.
Cracraft, William A., Jr.,	Elm Grove, W. Va.,	3913 Woodland Ave.
Crosby, William S., A. B. (C. H. S.),	Philadelphia,	4001 Brown St.
Crothers, L. Haines,	Upland.	
Cunningham, Edward J.,	Philadelphia,	1537 S. Broad St.
Cutts, William B., A. B. (Bates),	North Anson, Me.,	24 S. 34th St.
Dandy, George B., Jr.,	Omaha, Neb.,	4100 Pine St.
Darlington, Emlen P.,	West Chester.	
Davies, David H.,	Lansford,	3323 Walnut St.
Davies, William R.,	Wyoming,	2105 Vine St.
Davis, William Nevins,	Summit Hill,	3421 Walnut St.
Davison, Robert E.,	Ebensburg,	3804 Spruce St.
De Bruler, James P.,	Evansville, Ind.,	3418 Sansom St.
Decker, Clinton L.,	Boonton, N. J.,	3619 Locust St.
De Loffre, Samuel M., B. A. (Ohio State),	Fort Logan, Col.,	3811 Powelton Ave.
Dengler, Clarence K.,	Pottsville,	741 N. 41st St.
Dennison, John R.,	Bala.	
Derrickson, John B.,	Frankford, Del.	
Dicks, J. Oscar,	West Chester.	
Dickinson, James E.,	Steelton,	3204 Chestnut St.
Dillen, Edward F.,	Philadelphia,	802 Pine St.
Donaldson, Albert B.,	do.	913 N. 6th St.
Doran, John,	do.	1929 Montrose St.
Drein, William Clifton,	Wilmington, Del.	
Dougherty, Morris R. C.,	Philadelphia,	935 W. Dauphin St.
Duckworth, Milton,	Pattenburgh, N. J.,	3252 Sansom St.
Dunn, John T.,	Philadelphia,	663 N. 33d St.
Dunsmore, Albert F.,	Glen Richey,	3273 Sansom St.
Dutton, John F.,	Philadelphia,	1139 Titan St.
Dye, Frank Hazzard, A. B. (C. H. S.),	do.	1216 Brown St.
Eades, Byron C., B. E.,	North East,	115 S. 34th St.
Edwards, Edwin B.,	Slate Lick,	3116 Walnut St.
Ehrlick, Benjamin P.,	San José, Cal.,	3346 Lancaster Ave.
Eisenberg, John L.,	Norristown.	

Name.	Residence.	City Address.
Elwell, Alfred N.,	Bridgeton, N. J.,	3210 Chestnut St.
England, Aaron S.,	West Chester,	3423 Walnut St.
Ennis, Joseph,	Burkittsville, Md.,	124 S. 34th St.,
Enoch, George F.,	Holmesburg,	[Washington St.]
Enright, James G.,	Freehold, N. J.,	3331 Walnut St.
Evans, Joseph S., Jr., A. B. (Haverford),	West Chester.	
Evans, Thomas Horace,	Philadelphia,	2041 Wallace St.
Fahy, J. Eugene, A. B. (La Salle),	do.	1609 N. 10th St.
Farr, William H.,	do.	3902 Walnut St.
Fegley, Frederick W.,	Allentown,	3320 Woodland Ave.
Fegley, Theodore C.,	Orwigsburgh,	3701 Powelton Ave.
Feidt, Wilson W.,	Millersburgh,	3432 Sansom St.
Fischer, Herman,	Wilkesbarre,	3421 Walnut St.
Fisher, William E.,	Reading,	3332 Chestnut St.
Fithian, George W.,	Bridgeton, N. J.,	4204 Baltimore Ave.
Flynn, John C.,	Salem, N. J.,	3602 Locust St.
Fly, Robert J.,	Easton,	3475 Sansom St.
Foster, George B.,	Lynn, Mass.,	3613 Locust St.
Fox, William W., A. B. (C. H. S.),	Philadelphia,	2745 N. 11th St.
Franklin, Paul H.,	Portsmouth, Ohio,	3737 Locust St.
Fritchey, Charles A.,	Harrisburg,	106 S. 33d St.
Gibbons, Horace D.,	Scranton,	3259 Sansom St.
Gandy, Raymond Reeves, A. B. (C. H. S.),	Philadelphia,	2332 N. 16th St.
Gay, Clarence B.,	North Reading, Mass.,	3344 Lancaster Ave.
Gay, William M.,	Windsor, Vt.,	3471 Sansom St.
Geisler, Howard D., A. B. (C. H. S.),	Philadelphia,	703 W. Cumberland St.
Gengenbach, Frank P., A. B. (C. H. S.),	do.	1533 Summer St.
Gerds, Frederick H.,	do.	3422 Sansom St.
Gibson, Oliver L.,	Chester,	[935 Madison St.]
Gilbert, Frederic B., Jr.,	Philadelphia,	3414 Hamilton St.
Gilmour, Samuel B.,	Philipsburg,	3256 Walnut St.
Goepp, R. Max,	Philadelphia,	3238 Chestnut St.
Gold, William I.,	Nazareth.	
Goldberg, Harold G.,	Philadelphia,	1518 Diamond St.
Golding, Albert M.,	do.	1011 N. 43 1/2 St.
Goldsmith, Milton,	Connellsville,	421 S. 40th St.
Gordon, Samuel H.,	Philadelphia,	242 Fairmount Ave.
Gorham, Fordyce C., M. E.,	Coudersport,	3342 Lancaster Ave.
Grant, Walter S., A. B. (Middlebury),	Cuyahoga Falls, Ohio,	3428 Sansom St.
Grushlaw, Israel,	New York, N. Y.,	709 South St.
Griswold, Robert G.,	Langhorne,	3320 Walnut St.
Gucker, Joseph Clifford,	Philadelphia,	3422 Hamilton St.
Hagerty, Leidy S.,	Phillipsburg, N. J.	

Name.	Residence.	City Address.
Haines, Jacob Clifford,	Vincentown, N.J.,	645 N. 33d St.
Halloran, Paul S.,	Fort Niobrara, Neb.,	3704 Locust St.
Hambright, Harry C.,	Lancaster,	3320 Woodland Ave.
Harbert, G. Eugene,	Mt. Holly, N. J.,	3344 Walnut St.
Harris, Frank E.,	Philadelphia,	2010 Girard Ave.
Hatfield, Charles J., A. M. (Princeton),	Pottstown,	3727 Spruce St.
Hawke, Wilfred W.,	Bristol.	
Hedding, Benjamin E., B. S. (Dickinson),	Morrisdale Mines,	3215 Powelton Ave.
Heller, Samuel H.,	Binkley,	3423 Walnut St.
Hickson, William J.,	New York, N. Y.,	3312 Woodland Ave.
High, William B.,	Shillington,	3425 Walnut St.
Hinrichs, August G.,	Philadelphia,	1342 Spring Garden St.
Hoagland, Henry W.,	Hazleton,	3704 Locust St.
Hoffman, William,	Stockton, N. J.,	417 N. 41st St.
Holbrook, Bradbury, A. B. (Harvard),	Danversport, Mass.,	3344 Lancaster Ave.
Hounett, J. Harry,	Wilmington, N.C.,	2233 N. 13th St.
Hoover, Percy D., B. S. (Gettysburg),	Waynesboro,	124 S. 34th St.
Houck, William F.,	Memphis, Tenn.,	3706 Hamilton St.
Howell, William H.,	Round Top,	3273 Sansom St.
Humphrey, James M.,	Olean, N. Y.,	210 S. 36th St.
Humphreys, Harry G.,	Jackson Barracks, La.,	1344 Pine St.
Huyette, M. Luther,	Shillington,	3428 Sansom St.
Ivins, Charles S.,	Trenton, N. J.	
Iverson, John Morton,	Oxford,	311 N. 33d St.
Jack, Charles S.,	Philadelphia,	1533 Locust St.
James, Uriah A.,	Wilkesbarre,	204 S. 36th St.
Johnson, Winder L.,	Hulmeville.	
Joslin, Edward H.,	Keene, N. H.	
Keim, William F.,	Addison,	3409 Baring St.
Keir, James W.,	Malpeque, P. E. I.,	123 S. 34th St.
Kessler, Alfred L.,	Brandt,	3318 Walnut St.
Kipp, Leroy E.,	Milford,	3602 Locust St.
Klutz, W. Clarence, B. S. (North Carolina),	Salisbury, N. C.,	3346 Walnut St.
Knight, C. Paul,	Clinton, N. J.,	845 N. 27th St.
Knorr, John K.,	Philadelphia,	1943 N. Broad St.
Kohn, Bernard, B. S. (Pennsylvania),	do.	1523 N. 8th St.
Kratz, Charles S.,	New Britain,	3337 Woodland Ave.
Krebs, Lloyd L.,	Cedar Rapids, Iowa,	3256 Walnut St.
Kuemmerle, Edward,	Philadelphia,	816 N. 7th St.
Lane, Lauriston J., B. S. (Wyoming Coll.),	San Paulo, Brazil,	129 S. 36th St.
Langham, William H.,	Manor,	3339 Woodland Ave.
Laughlin, Harry,	Philadelphia,	2010 Tulip St.
Law, Frederick M.,	Washington, D.C.,	3800 Locust St.

Name.	Residence.	City Address.
Leeson, Benjamin B.,	Van Wert, Ohio,	3611 Locust St.
Ledbetter, Robert E.,	La Grange, Texas,	3336 Chestnut St.
Leshner, I. Mulford,	Philadelphia,	1436 N. 18th St.
Lessig, J. Alfred,	Schuylkill Haven,	3701 Powelton Ave.
Levering, Guy P.,	Lafayette, Ind.,	3600 Chestnut St.
Lewis, Stephen C., A. B.	Frostburg,	3334 Walnut St.
(Grove City),		
Lilley, Wilbur M.,	California,	3430 Sansom St.
Lindeman, Charles E.,	Meadville,	3934 Pine St.
Lindsey, John H., A. B.	Fall River, Mass.,	3704 Spruce St.
(Brown),		
Littig, John V.,	Davenport, Iowa,	3346 Lancaster Ave.
Livingood, W. Worman,	Reading,	3725 Spruce St.
Lloyd, J. Leonard,	Wilmington, Del.	
Loeb, Victor A., A. B.	Philadelphia,	957 N. 8th St.
(C. H. S.),		
Longwell, Benton E.,	Santa Fé, N. M.,	4445 Chestnut St.
Luther, John W.,	Reading,	2033 N. College Ave.
Lyman, A. Robbins,	Randolph, N. Y.,	3725 Spruce St.
McCowan, Charles S.,	Wilmington, Del.	
McCaffrey, Arthur P., A B.	Philadelphia,	317 Diamond St.
(La Salle),		
McClure, Charles F., A. B.	Assumption, Ill.,	126 S. 34th St.
(Oberlin),		
McClure, Sorden,	Philadelphia,	21 S. 16th St.
McDanolds, Maurice,	Newton, N. J.,	403 S. 40th St.
McDevitt, Charles H.,	Philadelphia,	172 Centre St., Gtn.
McDevitt, Daniel,	do.	2132 Mt. Vernon St.
McVean, Stewart M., B. S.	York, N. Y.,	204 S. 36th St.
(Westminster),		
McGowan, Joseph Augustine,	Philadelphia,	2013 S. 15th St.
Malone, Clarence M.,	Lancaster,	3332 Walnut St.
Marshall, Joseph C.,	Kennett Square.	
Marsh, William H.,	Tioga,	215 S. 33d St.
Martin, Collier F.,	Ardmore.	
Megargee, George L.,	Coatesville,	3338 Walnut St.
Meigh, Josiah,	Trenton, N. J.,	3422 Sansom St.
Meriweather, Tyler,	Decatur, Ill.,	3715 Spruce St.
Merrill, Quincy H.,	Milford, N. H.,	111 S. 34th St.
Messic, Harry G.,	Camden, N. J.,	438 Clinton St.
Miller, Newton T., A. B.	Limerick.	
(Muhlenberg),		
Miller, Thomas A.,	Pittsburg,	3412 Sansom St.
Mongel, Ernest B., A. B.	Philadelphia,	3255 Irving St.
(C. H. S.),		
Montgomery, B. Alembert,	Grove City,	3334 Walnut St.
B. S. (Grove City),		
Moore, Edward J.,	Plymouth,	3268 Sansom St.
Moser, Charles W.,	Altoona,	3265 Woodland Ave.
Mossman, Beriah E., Jr.,	Greenville,	3344 Walnut St.
Muller, George Paul, A. B.	Philadelphia,	1930 Wallace St.
(C. H. S.),		

Name.	Residence.	City Address.
Neely, Edgar C.,	Honey Grove,	3347 Woodland Ave.
Neff, Charles C.,	Williamsport,	3204 Chestnut St.
Neiman, George W.,	St. Clair,	210 S. 36th St.
Newlin, Arthur,	Philadelphia,	3613 Locust St.
Newmayer, Solomon, A. B. (C. H. S.),	do.	727 South St.
Norman, Edward M.,	Lewes, Del.,	3349 Woodland Ave.
Norris, George W., A. B. (Pennsylvania),	Philadelphia,	1530 Locust St.
Odell, Thomas G.,	Salt Lake City, Utah,	3800 Locust St.
Oestereich, Edward C.,	Bethlehem,	126 S. 34th St.
Offensend, John H.,	Fair Haven, Vt.,	29 N. 34th St.
O'Meara, John G.,	Pawtucket, R. I.,	113 S. 34th St.
O'Neill, Michael P.,	Philadelphia,	1427 Tasker St.
Osgood, Walter W.,	Chicago, Ill.,	3330 Woodland Ave.
Palmer, Loring B., A. B. (Atlanta),	College, Ga.,	26 N. 38th St.
Palmer, Myron B.,	Union Hill, N. Y.,	3805 Baring St.
Parker, Frank C.,	Norristown.	
Paul, Thomas M.,	Philadelphia,	1420 Christian St.
Phalan, Joseph M.,	do.	1402 American St.
Phinney, Frank D., A. B. (New Brunswick),	Fredericton, N. B.,	3446 Chestnut St.
Pike, George L.,	Philadelphia,	126 S. 16th St.
Pitman, Joseph L.,	Frankford,	Frankford Arsenal.
Pittinger, C. Ru Lon,	Easton,	3240 Chestnut St.
Plumey, Ramon Paoli,	Lares, Porto Rico,	3340 Chestnut St.
Pollard, Walter B.,	Norfolk, Va.,	111 S. 34th St.
Pratt, Frank L., M. E.	Mansfield,	215 S. 33d St.
Pratt, Harry S.,	N. Middleboro, Mass.,	204 S. 36th St.
Prescott, Harry B.,	Sayville, N. Y.,	1128 Pine St.
Rank, David M.,	East Hanover,	3428 Sansom St.
Rankin, George T., Jr	Akron, Ohio,	219 DeKalb Sq.
Ressler, J. Lyte,	Mascot,	3909 Pine St.
Richards, Josiah W.,	Slatington,	3269 Sansom St.
Ridgway, George M.	Trenton, N. J.,	3704 Spruce St.
Ritchie, M. Delmar,	Harrisburg,	3715 Locust St.
Rivas, Damaso,	Victoria, Nicaragua,	205 S. 33d St.
Roberts, Harry Stout,	Camden, N. J.,	206 Elm St.
Roberts, J. Eugene,	Lambertville, N. J.,	3937 Pine St.
Rose, Lawrence S.,	Thornton, Ind.,	3531 Locust St.
Rudolph, John J.,	Hoboken, N. J.,	1936 Harland St.
Rutter, Thomas C.,	Williamsport,	3711 Powelton Ave.
Saeger, Luther J.,	Allentown,	2143 Van Pelt St.
Salmons, Ralph H.,	Lewes, Del.,	3743 Spruce St.
Samuel, Meridith I.,	Wilkesbarre,	3933 Baltimore Ave.
Sanders, Henry C., A. B. (Dartmouth),	Claremont, N. H.,	676 N. 34th St.
Sanders, James O.,	Southbridge, Mass.	

Name.	Residence.	City Address.
Saunders, John,	Wilmington, Del.	
Scammell, Frank G.,	Trenton, N. J.	
Seitz, Charles,	Evansville, Ind.,	3204 Chestnut St.
Seymour, Payette L.,	Port Jervis, N. Y.,	3439 Chestnut St.
Shaw, Farnham H.,	Wellsboro',	3421 Walnut St.
Sheets, Herbert H.,	South Bethlehem,	3240 Chestnut St.
Shupp, Eugene A.,	Brodheadsville,	3428 Sansom St.
Shellenberger, Edward B.,	Philadelphia,	5505 Germantown Av
Shelmerdine, Edward K.,	do.	1717 N. 18th St.
Shifferstine, Edgar E.,	Tamaqua,	3323 Walnut St.
Shryock, Charles Reynolds,	Shippensburg,	3260 Chestnut St.
Slease, Edward C.,	Pittsburg,	3604 Walnut St.
Smart, John Leo,	Philadelphia,	2207 Pine St.
Smith, Edward L.,	Alum Bank,	3409 Baring St.
Smith, Ernest B.,	Philadelphia,	1320 Walnut St.
Smith, James Harvey,	Lima.	
Smith, John F.,	Salem, N. J.,	247 S. 15th St.
Spare, Aristoph,	Philadelphia,	439 Redwood St.
Starkweather, C. Edwin,	do.	4452 Franklin St.
Steel, William A., A. B.	do.	1734 Park Ave.
(C. H. S.), B. S. (Pennsylvania),		
Steltz, Daniel D.,	Williamsport,	3422 Sansom St.
Stith, Robert M.,	Muscatine, Iowa,	3917 Baltimore Ave.
Stephenson, George A.,	Marinette, Wis.,	3256 Walnut St.
Stewart, Charles Rowland,	Indiana,	3703 Spruce St.
Stotsenburg, James M.,	Philadelphia,	4606 Linmoore Ave.
Stroup, Asbury C., A. B.	do.	1231 N. 12th St.
(C. H. S.),		
Struble, Harry B.,	Trenton, N. J.,	3422 Sansom St.
Swallow, Frank L.,	Lambertville, N. J.,	3434 Sansom St.
Swaving, Fred W.,	Pottsville,	115 S. 34th St.
Swindells, Walton C.,	Philadelphia,	1827 Tioga St.
Taylor, Frank,	Hazleton,	3431 Walnut St.
Taylor, Robert F.,	Philadelphia,	2049 Letterly St.
Templeton, Harry G.,	Plymouth,	3637 Locust St.
Thatcher, Paxson B.,	Philadelphia,	3500 Hamilton St.
Thaw, James R.,	Milford, Del.,	3939 Locust St.
Traynor, Joseph E.,	Wilmington, Del.	
Troutman, George C.,	Pottsville.	
Uffenheimer, Joseph L.,	Concord, N. H.,	3344 Walnut St.
Updegraff, Harry C.,	Port Palmer,	3703 Spruce St.
Uptegrove, Edward P.,	Middletown, N. Y.,	3471 Sansom St.
Urquhart, William M.,	Bradford,	3330 Walnut St.
Vander Bogert, Frank, A. B.,	Schenectady, N. Y.,	204 S. 36th St.
(Union),		
Van Kirk, Herbert S.,	McKeesport,	3218 Chestnut St.
Veale, William M.,	Philadelphia,	509 S. 42d St.
Walker, Claude W.,	Scranton,	3700 Walnut St.
Walter, Le Roy W.,	Jacksonville, Fla.,	950 N. 6th St.
Wampole, Henry S.,	Philadelphia,	2132 N. 12th St.
Wanner, Charles A.,	Fleetwood,	12 S. 34th St.
Wareham, Arthur,	Philadelphia,	3034 Diamond St.

Name.	Residence.	City Address.
Warnick, Joseph S., A. B. (C. H. S.),	Frankford,	4929 Penn St., Fkd.
Warren, Franklin L., A. B. (Boston),	Shirley, Mass.,	3342 Lancaster Ave.
Wartman, John W.,	Camden, N. J.,	544 S. 3d St.
Watt, James,	Brooklyn, N. Y.,	3218 Chestnut St.
Webster, Daniel K.,	Philadelphia,	2990 E. Thompson St
Wells, Howard P.,	do.	3733 Locust St.
West, Hayden A.,	Camden, N. J.,	101 N. 7th St.
Whealton, W. Aydelotte, A. B. (Western Md. Coll.),	Chincoteague, Va.,	1235 Chesnut St.
Whiteway, Harold M.,	Philadelphia,	4336 Sansom St.
Wickes, Arthur L.,	New Balto., N. Y.,	3706 Spruce St.
Wiesenberger, Theodore H.,	S. Bethlehem,	3240 Chestnut St.
Wilcox, Archa E.,	Minneapolis, Minn.,	3613 Locust St.
Wilson, Arthur J.,	Williamsport,	3215 Powelton Ave.
Wilson, Howard S.,	Dunellan, N. J.,	205 S. 33d St.
Wilson, Thomas H., A. B. (Oberlin),	Churchville, Md.,	758 Erie St.
Wintersteen, Thomas B.,	Danville,	3204 Chestnut St.
Witmer, Isaac C.,	Pillow,	3432 Sansom St.
Wolf, Wilbert J., A. B. (C. H. S.),	Philadelphia,	3500 Frankford Ave.
Woods, Andrew H., A. B. (Washington and Lee),	Martinsburg, W. Va.,	3903 Locust St.
Woodside, Guy S.,	Boston, Mass.,	3331 Walnut St.
Young, F. Raymond, B. S. (Trinity),	Smethport,	3256 Chestnut St.
Ziegler, Samuel M., A. B. (Grove City),	Mercer,	3715 Spruce St.

Students of the First-year Class, 331.

SPECIAL STUDENTS.

Crawford, John K., M. D.,	Cooperstown,	3345 Woodland Ave.
Griswold, Robert G.,	Langhorne,	3320 Walnut St.
Hopkins, Frank, M. D.,	Warm Springs, Va.,	3210 Chestnut St.
Joslin, Edward H.,	Keene, N. H.	
Leamy, LaBarre Jayne, M. D.,	Philadelphia,	1421 N. 13th St.
Lloyd, J. Leonard,	Wilmington, Del.	
Pinchback, Pinckney N.,	Philadelphia,	3359 Woodland Ave.
Roos, G. Elias, M. D.,	Scranton,	826 N. 5th St.
Walsh, James J., M. D.,	Parsons,	3320 Woodland Ave.
Wells, Joseph G.,	Bloomsburg,	3607 Walnut St.

Special Students, 10

SUMMARY.

Students of the Fourth-year Class	29
Students of the Third-year Class (<i>Three-year Course</i>)	93
Students of the Third-year Class	168
Students of the Second-year Class	247
Students of the First-year Class	331
Special Students	10

Total, 878

SUMMARY BY STATES.

Alabama 2	Kansas 8	Ohio 15
Australia 2	Kentucky 1	Oregon 1
Austria 1	Louisiana 1	Pennsylvania . . . 532
Barbadoes 1	Maine 5	Prince Edward
Brazil 1	Maryland 7	Island 2
California 6	Massachusetts . . . 20	Puerto Rico 2
Canada 1	Mexico 1	Rhode Island 4
Colorado 2	Michigan 6	South Carolina . . . 3
Connecticut 4	Minnesota 2	Tennessee 5
Cuba 1	Missouri 3	Texas 5
Delaware 24	Nebraska 3	Utah 2
District Columbia . . 3	New Brunswick . . . 3	Vermont 3
Ecuador 1	New Hampshire . . . 5	Virginia 2
Florida 2	New Jersey 72	West Indies 1
Georgia 6	New Mexico 1	West Virginia 8
Illinois 11	New York 42	Wisconsin 11
Indiana 11	Nicaragua 2	
Indian Territory 1	North Carolina . . . 5	
Iowa 10	North Dakota 1	
		<hr/> Total 878

ORGANIZATION OF THE MEDICAL SCHOOL.

This venerable Institution, the oldest Medical School in the United States, was founded in 1765 by Dr. JOHN MORGAN, who filled in it the first medical professorship created in America. In his opening "Discourse upon the Institution of Medical Schools in America," delivered in the College of Philadelphia, May 30, 1765, Dr. MORGAN uttered these prophetic words: "Perhaps this medical institution, the first of its kind in America, though small in its beginning, may receive a constant increase of strength, and annually exert new vigor. It may collect a number of young persons, of more than ordinary abilities, and so improve their knowledge as to spread its reputation to distant parts. By sending these abroad duly qualified, or by exciting an emulation amongst men of parts and literature, it may give birth to other useful institutions of a similar nature, or occasional rise, by its example, to numerous societies of different kinds, calculated to spread the light of knowledge through the whole American continent, wherever inhabited." Through Dr. MORGAN, the pupil of HUNTER in London and of CULLEN in Edinburgh, the graduates of this school take a just pride in regarding it as the lineal descendant of the best medical schools of Great Britain in the last century. To Dr. MORGAN was soon joined another pupil of CULLEN, Dr. WILLIAM SHIPPEN, as Professor of Anatomy and Surgery, thus forming another tie of relationship to the celebrated University of Edinburgh, whose methods of instruction were substantially adopted here. In the next year Dr. ADAM KUHN was added as Professor of Botany and Materia Medica; and in June, 1768, a "Commencement was held," at which medical honors were bestowed, the first in point of time in America. In 1769, Dr. BENJAMIN RUSH was elected Professor of Chemistry, and Dr. THOMAS BOND, Professor of Clinical Medicine.

To the faculty thus composed of MORGAN, SHIPPEN, KUHN, RUSH and BOND, have succeeded, at various times, professors whose reputation has been national, such as BARTON, WISTAR, CHAPMAN, PHYSICK, DEWEES, HORNER, HARE, GIBSON, JACKSON, GEORGE B. WOOD, HODGE, JAMES B. ROGERS, CARSON, the elder PEPPER, FRANCIS GURNEY SMITH, NEILL, HENRY H. SMITH, LEIDY, D. HAYES AGNEW, and GOODELL.

The number of graduates of the Department of Medicine is 11,392.

ADMISSION.

A. Any candidate who may have received a degree in Arts or Science from a college recognized by this University will be admitted without examination. Students who have satisfactorily pursued the two year course in Biology of this University will be exempt from the entrance examination; and UNTIL 1899 any candidate who has passed the entrance examination of a recognized college, or is a graduate of a recognized normal or high school, or academy of equal rank, may enter without examination.

Examinations for admission are held in Medical Hall, Monday, June 8, and Monday, June 15, at 10 A. M., and Tuesday, September 29, at 10 A. M.*

1896.

B. Candidates for admission to the first year class in 1896 who do not possess the qualifications specified in paragraph **A**, will be required to pass examinations in the following studies:

ARITHMETIC.—The fundamental operations of addition, subtraction, multiplication, and division as applied to whole numbers, common and decimal fractions; denominate numbers; percentage.

ELEMENTARY ENGLISH.—Grammar, as in Abbott's *How to Parse*.

GEOGRAPHY.—Of the World.

SPELLING AND ENGLISH COMPOSITION.—A composition upon an assigned subject, taken from United States History, of at least 200 words, to be correct in spelling and grammar.

UNITED STATES HISTORY.—As in Eggleston's *History of the United States*.

PHYSICS.—As in Carhart & Chute's, or Avery's *Elements of Physics*.

1897.

C. Candidates for admission to the first year class in 1897 who do not possess the qualifications specified in paragraph **A** will be required to pass examinations in the following studies:

ENGLISH.—(A) Grammar.

* Examinations for admission will also be held annually during the last week in June in Rochester, N. Y., Boston, Mass., Atlanta, Ga., Mobile, Ala., Cincinnati, O., Duluth, Minn., Detroit, Mich., St. Louis, Mo., St. Paul, Minn., San Francisco, Cal., Galveston, Tex., Auburn, N. Y., Danville, Va., Knoxville, Tenn., Charlotte-town, Prince Edward Island. The names of the examiners will be found on page 18.

- (B) Reading and Composition, Shakespeare's *Merchant of Venice*, and Longfellow's *Evangeline*. A short essay, correct in spelling, punctuation and grammar, on a subject chosen from one of these works, will be required.

HISTORY.—United States.

GEOGRAPHY.—Of the World.

MATHEMATICS.—(A) Arithmetic, including use of logarithms.

- (B) Algebra to quadratic equations.

PHYSICS.—As in Carhart & Chute's or Gage's *Elements of Physics*

LATIN.—(A) Grammar.

- (B) Two books of Cæsar's *Gallic War*.

In place of Latin, Plane Geometry may be offered.

1898.

D. Candidates for admission to the first year class in 1898 who do not possess the qualifications specified in paragraph A will be required to pass examinations in the following studies:

ENGLISH.—(A) Grammar.

- (B) Reading and composition: Shakespeare's *Merchant of Venice*, Milton's *Comus* and *Lycidas*, Longfellow's *Evangeline*, and Macaulay's *Essays on Milton and Addison*.

HISTORY.—United States.

GEOGRAPHY.—Of the World.

MATHEMATICS.—(A) Arithmetic, including use of logarithms.

- (B) Algebra through quadratic equations.

- (C) Plane Geometry.

PHYSICS.—As in Carhart & Chute's or Gage's *Elements of Physics*.

LATIN.—Four books of Cæsar's *Gallic War*; or

FRENCH.—Three hundred pages of contemporary prose; or

GERMAN.—Two hundred pages of contemporary prose.

In place of the language, Plane Geometry may be offered.

1899.

Candidates for admission to the first year class in 1899 will be required to pass examinations in the following studies (which are the examinations at present required for entrance to the Freshman Class in the College of the University).

ENGLISH.—(A) Grammar.

- (B) (1) Shakespeare's *Merchant of Venice*. (2) *Twelfth Night*.
(3) Milton's *L'Allegro*, *Il Penseroso*. (4) *Comus* and

Lycidas. (5) Longfellow's *Evangeline*. (6) The Sir Roger de Coverly Papers in the *Spectator*. (7) Macaulay's *Essays on Milton* and *Addison*. (8) Webster's first *Bunker Hill Oration*. (9) Irving's *Sketch Book*. (10) Scott's *The Abbot*.

For numbers 2, 4 and 5 of the above may be substituted three of the following :

Darwin, *Origin of Species*.

Huxley, *Physiography; an introduction to the study of nature*.

Tyndall, *Heat as a Mode of Motion*.

George Eliot, *Middlemarch*.

HISTORY.—(A) History of the United States.

(B) Greek and Roman.

MATHEMATICS.—(A) Arithmetic.

(B) Algebra (including factoring, fractions, simple equations and simultaneous equations of the first degree).

(C) Algebra (to the end of quadratic equations, including ratio, proportion, arithmetical and geometrical progression, surds and imaginaries).

(D) Plane Geometry.

Additional examinations required :

Either LATIN.—(A) Latin Grammar.

(B) Latin Prose Composition.

(C) Cæsar's (four books of the *Gallic War*).

(D) Vergil (first six books of the *Æneid*, with the prosody).

(E) Cicero (six orations, including the four against Catiline).

GREEK.—(A) Greek Grammar.

(B) Greek Prose Composition.

(C) Xenophon (first four books of the *Anabasis*).

(D) Homer (first three books of the *Iliad*, with the prosody).

Or Latin A, B, C, D.

FRENCH.—(A) A thorough knowledge of elementary grammar.

(B) 300 pages of contemporary prose.

GERMAN.—(A) Collar-Eysenbach's *German Lessons*.

(B) 300 pages of contemporary prose.

Two of these languages and Solid Geometry or Physics.

Or : One of the above languages as above and Solid Geometry and Physics.

In addition to the requirements for entrance in 1899, it is earnestly recommended that young men, before entering upon the study of

Medicine at this University, should have previously taken the degree either of A. B. or B. S. at some college or university where the standard is equivalent to that of the University of Pennsylvania. Should this be impracticable, two years' time should be devoted to the study of the following branches: chemistry or biology, with laboratory work in each amounting to six hours a week for eight months in each year; mammalian and human anatomy; histology and physiology, including the practical use of the microscope and culture methods in bacteriology. Free hand drawing is also an important preliminary study. Attention is called to the two year course in Biology preparatory to Medicine given in the College of this University, as indicating the character and amount of studies required.

Candidates for admission to the first year class who present evidence in writing of having had a course in chemistry, and of having performed laboratory work equivalent to that required during the first year in this school, will be permitted, on examination, to omit the chemistry of the first year and to pursue the chemistry and laboratory work of the second year, during the first year of their Medical course.

College graduates in Arts or Science who, during their college course, have devoted to the study of the branches named below the number of hours stated, are admitted to the second year of the Medical course without an entrance examination. These studies may have been pursued during any period of a college course leading to a degree. Students entering under these conditions are required during their first session in the Department of Medicine to take instruction in *Materia Medica* and *Pharmacy*, and to pass examinations in these branches by the end of the session. (At the end of the second year of the Medical course they will be examined in the entire subjects of *Anatomy* and *Physiology*.)

General Biology	96 hours.	Histology	72 hours.
Mammalian Anatomy	96 "	Human Anatomy	144 "
Botany	96 "	Physiology	72 "
Chemistry	216 "	Zoölogy	96 "
Physics	72 "	Embryology	48 "

Students who have attended one course in a recognized medical school (not Homœopathic or Eclectic) are admitted to the second year of the University course, upon passing a satisfactory examination in *General Chemistry*, *Materia Medica* and *Pharmacy*, *Elementary Anatomy with especial reference to Histology*, *Osteology* and *Myology*,

Physiology excepting the Nervous System, and in the elements of *General Pathology*. Students who have attended two courses in a recognized regular medical school are admitted to the third-year class upon passing a satisfactory examination in *General and Medical Chemistry*, *Materia Medica* and *Pharmacy*, the elements of *General Pathology*, and the entire subjects of *Anatomy* and *Physiology*. Students who have attended three courses in a recognized regular medical school are admitted to the fourth-year class upon passing a satisfactory examination in *General and Medical Chemistry*, *Materia Medica* and *Pharmacy*, the elements of *General Pathology*, the entire subjects of *Anatomy* and *Physiology*, *Applied Anatomy*, *General and Special Pathological Anatomy*, *Therapeutics*, *Surgery*, and *Obstetrics*. Examinations in these subjects which may have been passed at other colleges or universities will not be accepted in lieu of the foregoing requirements. Candidates for admission to advanced standing who have not received a Collegiate degree, or passed the matriculate examination of a recognized College, or who have not been graduated from a recognized normal or high school, or academy, will be required to pass the examination required of candidates for admission to the first-year class in addition to the examinations in the subjects named above.

Graduates of recognized regular medical schools, in which four years' attendance upon instruction is required to obtain the degree in Medicine, are admitted to the fourth-year class with the understanding that they pass examinations in *Obstetrics*, *Therapeutics* and in *Pathology*, either at the beginning or at the end of the fourth year, in addition to the regular examinations of that year.

Examinations for admission to advanced standing for the session 1896-97 will be held on Monday, September 28, at 10 A. M.*

COURSE OF STUDY.

The course of instruction extends over four years, with one session beginning the first of October (or the second, if the first fall on Sunday) and ending on the second Thursday in June in each year.

The FIRST YEAR is largely occupied with work in the various laboratories of Chemistry, Pharmacy, Osteology and Histology, and in

* Students from other colleges admitted to the second-year class who have not had instruction in Practical Normal Histology will be required to make up such deficiency by taking a special course. Students admitted to the third-year class will be required to make up deficiencies in Pathological Histology.

Dissection. The first-year student may also attend clinical lectures in General Medicine and General Surgery. In the SECOND YEAR, in addition to didactic and clinical teaching, practical instruction is given in Medical Chemistry, Pathological Histology and Physical Diagnosis. Dissection is continued. Throughout the SECOND, THIRD and FOURTH years, the student is required to attend the general medical and surgical clinics at the University and Philadelphia Hospitals; and during the THIRD and FOURTH years the clinics in special departments at the former. Special bedside instruction in Clinical Medicine, including Physical Diagnosis, and in Clinical Surgery, is given in the third year. During the FOURTH year, in addition to special bedside instruction in Clinical Medicine, in Clinical Surgery, and in Gynæcology, practical instruction is given in Operative Surgery and Operative Obstetrics. For the foregoing purpose, the THIRD- and FOURTH-year classes are divided into sections, each of which receives direct personal instruction.

At the beginning of the fourth year each member of the fourth-year class will be required to select from the following elective branches, one major or two minor branches, and pursue the study of the branch or branches as special studies. Major Electives: Nervous Diseases and Electro-Therapeutics, Skin Diseases, Advanced Hygiene (including Bacteriology), Laryngology and Rhinology. Minor Electives: Orthopædic Surgery, Ophthalmology (including Ophthalmoscopy), Otology, Genito-Urinary Surgery, Advanced Anatomy, Advanced Physiology, Advanced Pathology, Advanced Medical Chemistry (including Toxicology), Pædiatrics, Experimental Psychology. At the end of the fourth year the student will be examined in the special branch or branches selected in addition to the regular examinations of that year.

The course of instruction is so arranged as to permit the constant introduction of new material, while retaining the repetition of essential subjects aimed at by the older method. The laboratory instruction is so co-ordinated with the oral teaching as to illustrate the subjects of the lectures.

Advanced students are encouraged to make original researches in the laboratories of Pharmacy, Chemistry, Physiology, Pathology and Experimental Therapeutics.

Students of the Department of Medicine may attend, without additional charge, the lectures and recitations in any other department of the University, upon presentation of their matriculation cards to and obtaining permission from the Deans of the respective Departments.

OUTLINE OF THE COURSE.

FIRST YEAR.

Anatomy.—Four lectures per week, ten hours dissection, including Osteology (alternating with practical Histology).*

Histology.—Two hours per week laboratory instruction, with occasional demonstrations.

Materia Medica and Pharmacy.—One lecture per week until February 1. Two lectures per week after February 1, two hours per week laboratory.

General Chemistry, including Chemical Physics.—Two lectures per week, three hours per week laboratory.

Physiology.—Four lectures per week.

General Pathology.—One lecture per week.

History of Medicine, Medical Terminology, Ethics, etc.—One lecture per week, until January 1.

Physical Diagnosis.—One lecture per week.

General Symptomatology and Diagnosis.—One lecture per week.

Bandaging.—One lecture per week, one hour per week practice until December 15.

General Clinics.—Medical and Surgical.

Final examinations at the end of the first year : General Chemistry, Elementary Anatomy (with special reference to Histology, Osteology and Myology), Physiology (except the Nervous System), Materia Medica and Pharmacy, and Elements of General Pathology.

SECOND YEAR.

Anatomy.—Two lectures per week, ten hours evening dissection.

Applied Anatomy.—Two lectures per week.

Medical Chemistry.—One lecture per week, three hours per week laboratory.

Physiology.—Two lectures per week.

General Pathology and Morbid Anatomy.—Two lectures per week, nine hours per week laboratory (including Bacteriology). Each class section eight weeks.

Physical Diagnosis.—One hour per week demonstration. Each class section eight weeks.

* In the distribution of anatomical material at the beginning of the session, students of the second-year class are first supplied, and students of the first-year class may not receive material until about December 1.

Therapeutics.—Two lectures per week.

Surgery.—Three lectures per week.

Obstetrics.—Two lectures per week.

General Clinics, Medical and Surgical, including Philadelphia and Pennsylvania Hospital Clinics.

Special Clinics.—(Nervous Diseases, Gynæcology, Diseases of Skin, Eye, Ear, alternating with practical work in Physical Diagnosis and in Pathological Histology.)

Final examinations at the end of the second year: Medical Chemistry, Anatomy (including Embryology), Physiology, and Physical Diagnosis.

THIRD YEAR.

Applied Anatomy.—Two lectures per week.

General Pathology and Morbid Anatomy.—Two lectures per week.

Bacteriology.—One lecture per week.

Demonstrations in Morbid Anatomy including Autopsies.—Two hours per week.

Therapeutics.—Two lectures per week.

Theory and Practice of Medicine.—Three lectures per week.

Clinical Medicine.—Two clinical lectures per week, one hour per week bedside instruction, including Physical Diagnosis.*

Surgery.—Three lectures per week.

Clinical Surgery.—One clinical lecture per week, one hour per week bedside instruction.†

Minor Surgery and Fracture Dressings.—One lecture per week until February 1. One hour per week practice, until February 1.

Obstetrics.†—Three lectures per week.

Gynæcology.—One didactic lecture per week.

Skin Diseases.—One didactic lecture per week until February 1. One hour per week clinical lecture.

Otology.—One didactic lecture per week until February 1. One hour per week clinical lecture.

Laryngology.—One didactic lecture per week after February 1.

Genito-Urinary Diseases.—One hour per week after February 1.

General Clinics, Medical and Surgical, including Philadelphia and Pennsylvania Hospital clinics.

* For these courses the class is divided into sections, so that each student shall receive direct personal instruction.

† Students also receive individual practical instruction in pelvimetry and abdominal palpation in addition to the lectures on Obstetrics.

Special Clinics (Nervous Diseases, Pædiatrics, Gynæcology, Diseases of the Skin, Eye, Ear at both University and Philadelphia Hospitals).

Final examinations at the end of the third year : Applied Anatomy, General and Special Pathological Anatomy, Therapeutics, Surgery, and Obstetrics.

FOURTH YEAR.*

Theory and Practice of Medicine.—Three lectures per week.

Clinical Conference in Medicine.—One hour per week.

Clinical Medicine.—Two clinical lectures per week, one hour per week bedside instruction.

Laryngology and Rhinology.—One didactic lecture per week after February 1.

Clinical Surgery.—Two clinical lectures per week, one hour per week bedside instruction.

Operative Surgery.—One lecture per week after February 1, three hours practical instruction after February 1.

Operative Obstetrics.—One hour per week practical instruction.

Nervous Diseases and Electro-Therapeutics.—One clinical lecture per week.

Hygiene.—One lecture per week.

Gynæcology.—One didactic lecture per week, one clinical lecture per week, one hour per week practical instruction.

Pædiatrics.—One clinical lecture per week until February 1.

Skin Diseases.—One didactic lecture per week until February 1, one clinical lecture per week throughout the year.

Genito-Urinary Diseases.—One hour per week after February 1.

Otology.—One didactic lecture per week until February 1, one clinical lecture per week throughout the year.

Ophthalmology.—One didactic lecture per week, one hour per week clinical lecture.

Autopsies.—One hour per week practical instruction.

Clinical and Operative Obstetrics.—One hour per week practical instruction.

Orthopædic Surgery.—One clinical and didactic lecture per week.

General Clinics, Medical and Surgical, including Philadelphia and Pennsylvania Hospital clinics.

*Subject to modification.

CLINICAL ELECTIVES.

Nervous Diseases and Electro-Therapeutics.—One hour per week practical instruction for at least one-half the session.

Skin Diseases.—One hour per week practical instruction, until February 1.

Otology.—One hour per week practical instruction, after February 1.

Ophthalmology, including Ophthalmoscopy.—One hour per week practical instruction for at least one-half the session.

Orthopædic Surgery.—One hour per week practical instruction, until February 1.

Genito-Urinary Surgery.—One hour per week practical instruction, after February 1.

Laryngology and Rhinology.—One hour per week practical instruction for at least one-half the session.

Pædiatrics.—One hour per week practical instruction for at least one-half the session.

Final examinations at the end of the fourth year: Theory and Practice of Medicine, Clinical Medicine, Operative Surgery, Clinical Surgery, Operative Obstetrics, Gynæcology, Hygiene, and Ophthalmology. The examinations include questions on Diseases of the Skin and the Ear from lists furnished by the Clinical Professors of those branches. In addition, the student will be examined in one of the following major electives, or two of the minor electives, which he must have elected as a special study or studies at the beginning of the fourth year. Major electives: Nervous Diseases and Electro-Therapeutics, Skin Diseases, Advanced Hygiene (including Bacteriology), Laryngology and Rhinology. Minor electives: Orthopædic Surgery, Ophthalmology (including Ophthalmoscopy), Otology, Genito-Urinary Surgery, Advanced Anatomy, Advanced Physiology, Advanced Pathology, Advanced Medical Chemistry (including Toxicology), Pædiatrics, Experimental Psychology.

TEXT-BOOKS.

FIRST YEAR.

Text-Books.

Collateral Reading.

Chemistry: Marshall's First-year Notes; Fownes' Chemistry; Medicus' Qualitative Analysis. (Fourth edition.)

Wurtz's Elements of Modern Chemistry; Richter's Inorganic Chemistry.

Anatomy: Leidy; Piersol's Normal Histology.

Gray; Morris; Stirling's Practical Histology; Tyson's Cell Doctrine.

Text-Books.

Collateral Reading.

Physiology: American Text-book
of Physiology, or Foster.

Pathology:

Abbott's Principles of Bacteri-
ology; Leidy's Anatomy;
Foster's Physiology.

Physical Diagnosis: Tyson.

Materia Medica: H. C. Wood; Wood and Bache's Dispensatory.
Mann on Prescription Writing.

SECOND AND THIRD YEARS.

Medical Chemistry: Marshall's Second-year Notes; Greene; Tyson's Practical Examination of Urine; Marshall & Smith's Analysis of Urine. Wormley's Micro-chemistry of Poisons, 2d edition; Remsen's Organic Chemistry.

Anatomy: Leidy.

Gray; Morris; Quain; Allen; Foster and Balfour's Elements of Embryology.

Physiology: American text-book of Physiology or Foster.

General Pathology and Morbid Anatomy: Ziegler; Woodhead's Practical Pathology; Abbott's Principles of Bacteriology. Cohnheim's Lectures on General Pathology; Pepper's System of Practical Medicine by American Authors; Sternberg's Manual of Bacteriology; Halliburton's Chemical Physiology and Pathology.

Therapeutics: H. C. Wood.

Wood and Bache's Dispensatory.

Surgery: Ashhurst's Principles and Practice of Surgery; Agnew's Surgery.

Ashhurst's International Encyclopædia of Surgery; Wharton's Minor Surgery and Bandaging; Davis on Bandaging; Young's Orthopædic Surgery.

Clinical Surgery: An American Text-book of Surgery; Agnew's Surgery.

Treves' Operative Surgery; Martin's Essentials of Surgery and Bandaging.

Obstetrics: The American Text-book of Obstetrics.

Hirst's System of Obstetrics; Lusk's Midwifery; Barnes' Obstetrics.

Text-Books.

Collateral Reading.

Physical Diagnosis: Tyson.

Skin Diseases: Duhring; Crocker;
Hyde.

THIRD AND FOURTH YEARS.

Practice of Medicine: A Text-book of Medicine, edited by Pepper; Osler; Strümpel. Musser's Medical Diagnosis.

Clinical Medicine: Tyson's Text-book of Medicine.

Surgery: Ashhurst's Principles and Practice of Surgery; Agnew's Surgery.

Clinical Surgery: An American Text-book of Surgery; Agnew's Surgery.

Obstetrics: The American Text-book of Obstetrics.

Gynæcology: Goodell's Lessons in Gynæcology; Hart and Barbour's Manual of Gynæcology.

Diseases of Children: Ashby and Wright.

Medical Jurisprudence:

Skin Diseases: Duhring; Crocker; Hyde.

Ophthalmology: Norris and Oliver's Text-book of Diseases of the Eye.

Hygiene: Parks' Practical Hygiene (last edition by Natter).

Pepper's System of Practical Medicine; Stillé & Maisch's Dispensatory; Tyson on Bright's Disease and Diabetes; Seiler's Diseases of Throat and Nose.

Ashhurst's International Encyclopædia of Surgery; Wharton's Minor Surgery and Bandaging; Davis on Bandaging; Young's Orthopædic Surgery.

Treves' Operative Surgery; Martin's Essentials of Surgery and Bandaging.

Hirst's System of Obstetrics; Lusk's Midwifery; Barnes' Obstetrics.

Thomas on Diseases of Women; Emmet's Gynæcology; An American Text-book of Gynæcology.

American Text-book of the Diseases of Children; Keating's Cyclopædia of Diseases of Children; Rotch's Pædiatrics.

Taylor's Medical Jurisprudence.

Billings' Ventilation and Heating; Abbott's Principles of Bacteriology.

ORDER OF LECTURES, DAILY.—FIRST YEAR.—1896-7.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M.						
A. M.	Wormley. Gen. Chemistry.	Wormley. Gen. Chemistry.	Chem. Laboratory, three hours.	Mitchell. Gen. Symp., Diag.	Harte. Osteol., Syndes ^l .	Dissection, or Phila. or Penna. Hospital Clinics.
A. M.	Daland. Phys. Diagnosis. [†]	Med. History, Terminology, Ethics, etc.		Guiteras. Gen. Pathology.	Miller. Materia Medica.	
M.	Prac. Norm. Histol. One sec. two hours. Others Osteology, at 1 P. M., or Dissection.	Prac. Norm. Histol. One sec. two hours. Others Dissect.	Dissection.	Prac. Norm. Histol. One sec. two hours. Others Osteology, at 1 P. M., or Dissection.	Dissection.	Prac. Norm. Histol. One sec. two hours. Others Dissect. or Med. and Surg. Clinics. [†]
P. M.	Piersol. Anatomy.	Piersol. Anatomy.	Wharton. Band'g., Lec., until Dec. 22.	Piersol. Anatomy.	Piersol. Anatomy.	
P. M.	Reichert. Physiology.	Reichert. Physiology.	Bandag. Sec., until Dec. 22. Miller. Mat. Med. after Jan. 1st.	Reichert. Physiology.	Reichert. Physiology.	
P. M.			Bandaging Sec., until Dec. 22.			
P. M.	Pharm. Laborat. Section.		Pharm. Laborat. Section.		Pharm. Laborat. Section.	

For the study of Histology, Osteology and Syndesiology, and Bandaging, the Class is divided into sections, one of which is occupied at a time. Students not thus engaged dissect, or, if not otherwise occupied, may attend general Clinics.—SEE SPECIAL ROSTER.

[†] University Hospital.

ORDER OF LECTURES, DAILY.—SECOND YEAR.—1896-7.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M.			Phila. Hospital. Gynecol. Clin.			
A. M.			Phila. or Penna. Hosp., Med. and Surgical Clinics.	Wormley. Med. Chemistry.	Guiteras. Pathology.	Med. Chemistry Laboratory, Three hours.
A. M.		Guiteras. Pathology.		Ashhurst. Surgery.	Deaver. Appl. Anatomy.	
M.	Deaver. Appl. Anatomy.	Ashhurst. Surgery.	Practical Pathol. and Bact. One sec. two hours. Others attend Gynecol. and Gen. Surg. Clinic. [†]	Practical Pathol. and Bact., Phys. Diag. Sections. Others attend Med. Clinic.	Ashhurst. Surgery.	Practical Pathol. and Bact. One sec. two hours. Others attend Gen. Med. and Surg. Clinics. [†]
P. M.	Practical Pathol. and Bact., Phys. Diag. Sections.	Practical Pathol. and Bact. Phys. Diag. Sections.			Practical Pathol. and Bact., Phys. Diag. Sections.	
P. M.	Piersol. Anatomy.	Hirst. Obstetrics.		Hirst. Obstetrics.	Piersol. Anatomy.	
P. M.	Reichert. Physiology.	Musser. Phys. Diagnosis.		Wood. Therapeutics.	Reichert. Physiology.	
P. M.					Wood. Therapeutics.	
to 10 P. M.	Dissection.	Dissection.	Dissection.	Dissection.	Dissection.	

For the study of Pathological Histology and Physical Diagnosis, the Class is divided into sections, one of which is occupied at a time; Second-year students not thus engaged attend Clinics.

[†] University Hospital.

ORDER OF LECTURES, DAILY.—THIRD YEAR.—1896-7.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9 A. M.			Phila. Hospital, Gynecol. Clinic.		Dem. in Morb. Anat. Sections.	Phila. Hospital, Gynecol. Clin.
10 A. M.	Autopsies.	Dem. in Morb. Anat., Section.	Phila. or Penna. Hosp. Medical and Surgical Clinics.	Dem. in Morb. Anat., Section.	Guiteras. Pathology.	Phila. or Penna. Hosp., Medical and Surgical Clinics.
11 A. M.	Guiteras or McFarland. Bacteriology.	Guiteras. Pathology.		Ashhurst. Surgery.	Deaver. Appl. Anatomy.	
12 M.	Deaver. Appl. Anatomy.	Ashhurst. Surgery.	Wood. Clin. Nerv. Dis. U. H.†	Tyson. Medical Clinic, U. H.†	Ashhurst. Surgery.	Pepper. Med. Clin., U. H.
1 P. M.	Randall. Clin. Dis. of the Ear, U. H.† Ward Classes, Med. and Surg. U. H.†	Duhring. Clin. Dis. of the Skin, U. H.† Ward Classes, Med. and Surg., U. H.†	White. Surgical Clinic, U. H.†	Norris. Clin. Dis. of the Eye, U. H.† Ward Classes, Surg., U. H.†	Ward Classes, Med., U. H.†	Ashhurst. Surgical Clinic, U. H.†
3½ P. M.	Wharton. Minor Surgery. Lecture until Feb. 1.	Hirst. Obstetrics.	Penrose. Didactic Gynecology, U. H.†	Hirst. Obstetrics.	Duhring. Didac. Skin Dis. till Feb. 1. Didac. Larynx. after Feb. 1.	
4½ P. M.	Wharton. Frac. Dressing. Two secs., Prac., until Feb. 1.		Randall. Didac. Otol. till Feb. 1. Martin. Genito-Urin. Dis. after Feb. 1, U. H.†	Wood. Therapeutics.	Wharton. Frac. Dress., Two Sec. Prac. till Feb. 1.	
5½ P. M.	Pepper. Practice.	Pepper. Practice.	Hirst. Obstetrics.	Pepper. Practice.	Wood. Therapeutics.	

For WARD CLASS instruction and Obstetrical Demonstrations the Third-year Class is divided into section SEE SPECIAL ROSTER.

† U. H. University Hospital.

ORDER OF LECTURES,* DAILY.—FOURTH YEAR.—1896-7.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
10 A. M.	Autopsies.		Phila. Hospital, Gynecolog. Clinic.	Mills. Mental and Nerv. Diseases.	Hygiene.	Phila. Hospital, Gynecol. Clin.
11 A. M.	Prac. Ortho. Surg. U. H.,† till Feb. 1. Ashhurst. Op. Sur., Lec. after Feb. 1.		Phila. or Penna. Hos., Med. and Surg. Clinics.	Griffith. Clin. Dis. of Children, U. H.,† until Feb. 1.	Hirst. Operative and Clinical Obstetrics.†	Phila. or Penna. Hospital, Med. Surg. and Gynecological Clinic
12 M.	Pract. Gynecol. Prac. Throat and Nose, U. H.†	Pract. Gynecol. Prac. Nerv. Dis., U. H.†	Wood. Clinic, Nerv. Diseases, U. H.†	Tyson. Med. Clinic. U. H.† Pract. Gynecol.	Prac. Throat and Nose. Prac. Nerv. Dis., Gen.-Urin. Surg. U. H.†	Pepper. Med. Clin., U. H.
1 P. M.	Randall. Ear Clin., U. H.† Ward Classes in Surg., Prac. Skin Dis.,‡ U. H.†	Duhring. Skin Clinic, U. H.† Ward Classes in Surg. Otol.,§ U. H.†	White. Surgical Clinic, U. H.†	Norris. Eye Clin., U. H.† Ward Class in Surg. Prac. Skin Dis.,‡ U. H.†	Penrose. Gynecolog., Clinic Otol.,§ U. H.†	Ashhurst. Surg. Clinic, U. H.†
3½ P. M.	Practical Ophthalmology. U. H.†	Willard. Orthop. Surg. Clin. and Didac.	Penrose. Didac. Gynecol., U. H.† Ward Classes in Med., U. H.†	Ward Classes in Med., U. H.†	Duhring. Didac. Skin Dis. till Feb. 1. Didac. Lar., after Feb. 1.	Prac. Ophthal. U. H.† Ward Classes in Med., U. H.†
4½ P. M.	Wharton. Oper. Surg., after Feb. 1, Sections.	Norris. Didac. Ophthalmol., U. H.†	Randall. Didac. Otol., till Feb. 1, U. H.† Martin. Genito-Urin. Dis., after Feb. 1, U. H.†	R. C. Norris. Operative Obstetrics, Sections.	Wharton. Operative Surgery, after Feb. 1, Sections.	Clinical Conference in Medicine, U. H.
5½ P. M.	Pepper. Practice.	Pepper. Practice.	Mills. Med. Juris.	Pepper. Practice.		

* Subject to modification. † U. H. University Hospital.

‡ Skin Diseases until Feb. 1st, and Otolology after Feb. 1st.

FOURTH YEAR CLASS.

SPECIAL ROSTER *

OF BEDSIDE INSTRUCTION FOR STUDENTS OF THE FOURTH YEAR.
SESSION 1895-96.

For attendance upon these Courses, the Fourth Year Class is divided into two sections, A and B, which attend as follows :

First Period, from Monday, Oct. 7, to Friday, Nov. 22, inclusive.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
Medicine	—	—	A	—	B
Surgery	—	A & B	—	—	—
Gynæcology	A	B	—	—	—
Throat and Nose .	B	—	—	—	A

Second Period, from Monday, Nov. 25, to Friday, Jan. 24, inclusive.

Medicine	—	—	B	—	A
Surgery	—	—	—	—	A & B
Gynæcology	B	A	—	—	—
Throat and Nose .	A	—	—	—	B

Third Period, from Monday, Jan. 27, to Friday, Mar. 13, inclusive.

Medicine	—	—	A	—	B
Surgery	A & B	—	—	—	—
Gynæcology	A	B	—	—	—
Throat and Nose .	B	—	—	—	A

Fourth Period, from Monday, Mar. 16, to Friday, May 8, inclusive.

Medicine	—	—	B	—	A
Surgery	—	—	—	A & B	—
Gynæcology	B	A	—	—	—
Throat and Nose .	A	—	—	—	B

The Ward Class instruction in Medicine is given at the University Hospital and at the Philadelphia Hospital at 3.30 o'clock ; in Surgery at 1 o'clock and in Gynæcology and Throat and Nose at the University Hospital at 12 o'clock.

Students not otherwise engaged will attend clinical lectures on special subjects.

The entire Third and Fourth-year Classes attend the General Medical and Surgical Clinics, held on Wednesday and Saturday, from 12

* Bedside instruction for the various classes begins as follows : Third-year Class in Medicine and Surgery, on the first Monday *after* October 1 ; Fourth-year Class, all bedside instruction, on the second Monday *after* October 1 ; Classes in Electives and Special Subjects, on the third Monday *after* October 1.

to 2 o'clock, with the exception of two sections of each class which attend in rotation, the Gynæcological Clinic on Friday at 1 o'clock in the Upper Lecture Room of the University Hospital as well as the Medical Clinic on Thursday, at 12 o'clock.

THIRD YEAR CLASS.

SPECIAL ROSTER

OF BEDSIDE INSTRUCTION AND SPECIAL CLINICS FOR STUDENTS OF
THE THIRD YEAR. SESSION 1895-96.

For attendance upon these Courses, the Third Year Class is divided into four sections, A, B, C and D, which attend as follows :

First Period, from Monday, Oct. 7, to Friday, Nov. 22, inclusive.

	Monday.	Tuesday.	Thursday.	Friday.
Medicine	B	D	—	A
Surgery	D	—	A	B

Second Period, from Monday, Nov. 25, to Friday, Jan. 24, inclusive

Medicine	C	B	—	D
Surgery	A	C	B	—

Third Period, from Monday, Jan. 27, to Friday, Mar. 13, inclusive.

Medicine	D	A	—	C
Surgery	—	B	C	D

Fourth Period, from Monday, Mar. 16, to Friday, May 8, inclusive.

Medicine	A	C	—	B
Surgery	C	D	—	A

The instruction is given at the University Hospital at 1 o'clock. Professor Tyson and Instructors will meet the sections of the Third Year Class in the Wards and Medical Dispensary; and Professor White in the Lower Lecture Room. The Special Clinics are held in the Upper Lecture Room.

This arrangement enables each section to attend, during an equal period of the term, the clinical lectures on special subjects, as follows:

<i>Monday, 1 p. m.</i>	<i>Tuesday, 1 p. m.</i>	<i>Wednesday, 12 m.</i>
PROF. RANDALL,	PROF. DUHRING,	PROF. WOOD,
<i>Otology.</i>	<i>Skin Diseases.</i>	<i>Nerv. Dis.</i>

Thursday, 1 p. m.
PROF. NORRIS,
Ophthalmology.

SECOND YEAR CLASS.**SPECIAL ROSTER**

OF CLASS SECTIONS IN PHYSICAL, DIAGNOSIS AND IN PRACTICAL
PATHOLOGY AND BACTERIOLOGY, FOR STUDENTS OF THE
SECOND YEAR. SESSION 1895-96.

Period.	Practical Pathology and Bacteriology.	Physical Diagnosis.
Oct. 1. Dec. 1.	Dr. McFarland. SECTION I. S to Z. Daily.	Dr. Musser. SECTION IV. A to E. { Mondays. Thursdays. Fridays.
Dec. 1. Feb. 1.	SECTION II. L to R. Daily.	SECTION III. F to K. { Mondays. Thursdays. Fridays.
Feb. 1. April 1.	SECTION III. F to K. Daily.	SECTION II. L to R. { Mondays. Thursdays. Fridays.
April 1. June 1.	SECTION IV. A to E. Daily.	SECTION I. S to Z. { Mondays. Thursdays. Fridays.

FIRST YEAR CLASS.**SPECIAL ROSTER**

OF LABORATORY INSTRUCTION IN HISTOLOGY, OSTEOLOGY AND
SYNDESMOLOGY, FOR STUDENTS OF THE FIRST YEAR.
SESSION OF 1895-96.

For instruction in these Laboratories, the First Year Class is divided into four sections, 1, 2, 3, 4, which attend throughout the entire session as follows :

	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
HISTOLOGY,	1	2	—	3	—	4
OSTEOLOGY,	2 & 3	—	—	1 & 4	Entire class 10 o'clock.	—

All students not occupied during the above hours dissect from 12 to 2 daily, and from 9 to 11 Friday.

GRADUATION.

At the end of the fourth year, a student who has satisfactorily passed all the required examinations receives the Degree of Doctor of Medicine under the following conditions :

I. He must be 21 years of age, and of good moral character.

II. He must have passed satisfactory examinations in all of the required branches of the curriculum, must have attended the practical instruction in all departments, and his last year of instruction must have been at this school.

III. He must have attended at least one case of Obstetrics.

IV. After receiving notice of having successfully passed the final examination, he must enter his name on the Register of Candidates for the Degree.

V. He must be present at Commencement, unless excused by the Dean of the Faculty.

ARRANGEMENT OF SESSION.

The Academic Year consists of one session, beginning on October 1, and ending on the second Thursday in June.

The session 1896-97 will begin on Thursday, October 1, and will end at Commencement, the second Thursday in June, 1897.

TUITION FEES AND EXPENSES.

First Year.

Matriculation Fee	\$5 00
For General Tuition Ticket, admitting to all the lectures, and including all the laboratory work and dissection assigned to this year	\$200 00
Dissecting material	\$1 per part.

Second Year.

For General Tuition Ticket, admitting to all the lectures, and including all the laboratory work and dissection assigned to this year	\$200 00
Dissecting material	\$1 per part.

The Department of Medicine of the University of Pennsylvania is recognized by the Royal College of Physicians, London, and Royal College of Surgeons, England, to the extent that its graduates are exempt from the first examination and admitted to the second and third examinations of the joint examining board, on exhibiting their Diploma together with evidence of having passed a preliminary examination in general education, and evidence of four years' study, without necessarily presenting all the certificates called for, and without taking further studies in England.

Graduates of the Department of Medicine of the University of Pennsylvania are also admitted, on presentation of the diploma and certificates to verify the curriculum, together with evidence of a satisfactory preliminary examination or degree in Arts, to the final examination for the triple qualification of the Royal Colleges of Physicians and Surgeons of Edinburgh, and Faculty of Physicians and Surgeons of Glasgow.

Third Year.

For General Tuition Ticket, admitting to all the lectures and practical work assigned to this year	\$200 00
Fee for Practical Obstetrics	1 00

Fourth Year.

For General Tuition Ticket, admitting to all the lectures and the practical courses of this year required for grad- uation (no graduation fee)	\$200 00
Fee for Practical Obstetrics	1 00
Material for operations in Surgery	\$1 per part.

NOTE.—All tuition fees are payable to JOHN MARSHALL, DEAN. The tuition fee of \$200 each year is *on condition that it is paid before November 1*. If paid on or after November 1, the fee will be \$205 for the year. If a division of payments is desired, \$105 are to be paid before November 1, and \$100 before February 1.

At least twenty-five dollars must be paid on account of tuition before the student will be admitted to the Chemical Laboratory.

Under no circumstances are any changes made in the established fees. The only free scholarships granted are those under the regulations hereafter referred to.

FEES FOR SPECIAL COURSES.

(Students taking special or partial courses, if not already matriculated, or if not graduates of the School, are required to pay the matriculation fee in addition to the fees named below.)

For any single course of Lectures, except Materia Medica . .	\$20 00
For the course of Lectures on Materia Medica	10 00
For Practical Course in the Chemical Laboratory	25 00
For the course in Practical Gynæcology of the fourth year . .	25 00
For any one of the remaining Practical courses	15 00

Graduates of the School are admitted to the *lectures* free of charge ; but they are required to pay the fees for any practical courses they may take.

At the beginning of the first and second years, each student is required to make a deposit of \$5 with the Professor of Chemistry, to cover "breakage" in the chemical laboratories. Any balance remaining at the end of the session is returned.

Board can be obtained near the University for \$5.00 per week upward.

SCHOLARSHIPS.

A competitive examination of candidates to fill three free scholarships is held annually. (In 1896, on Friday, September 25, at 10 A. M., in Medical Hall.) Each candidate will be required :

First. To furnish satisfactory evidence in writing, from three reputable persons, that he is without means to defray the expenses of a medical education.

Second. To write a brief autobiography, of about 300 words in length, which will serve as a test of his qualifications in orthography and grammar.

Third. To pass a written examination in Latin prose translation on the first three books of Cæsar, and a written examination in Physics, which may embrace questions relating to the general properties of Matter, Mechanics, Heat, Light and Electricity. The examination in Physics is not confined to the subject-matter of any text-book, but Balfour Stewart's *Physics* covers the ground.

Fourth. To pay an examination fee of \$5, which is not returned, but is accepted as the matriculation fee in case the candidate is successful.

Candidates who propose to present themselves for examination will send their names, accompanied by the certificate required by the first condition, to the Dean of the Faculty of Medicine *before September 15*, and appear without further notice.

FACILITIES FOR INSTRUCTION.

The instruction in the Department of Medicine is conducted in the MEDICAL HALL, the LABORATORY BUILDING, the HOSPITAL OF THE UNIVERSITY, MATERNITY PAVILIONS, WISTAR INSTITUTE OF ANATOMY AND BIOLOGY, and the LABORATORY OF HYGIENE.

The Medical Hall contains the Laboratories of Histology, Osteosyn-desmology, Physiology, Pathology, Pharmacy and Experimental Therapeutics.

THE HISTOLOGICAL LABORATORY is under the supervision of the Professor of Anatomy and the Demonstrator of Histology. The Laboratory is furnished with excellent microscopes, and all apparatus necessary to enable the student to become practically familiar with the most approved methods of microscopical technology, as well as with the normal histology of all the tissues and organs. Special facilities are afforded for original research and work in Practical Embryology ; for this purpose the Laboratory is open throughout the year, except during July and August.

THE OSTEO-SYNDESMOLOGICAL LABORATORY is under the supervision of the Professor of Anatomy and Demonstrator of Osteology. In this Laboratory, the First-year student is required to make himself familiar with the skeleton and the articulations as a part of his instruction in practical anatomy. To this end separate bones are loaned the student, which he is permitted to take home for study.

THE PHYSIOLOGICAL LABORATORY is under the personal direction of the Professor of Physiology, who devotes his entire time to the subject, aided by the Assistants in Physiology. It is furnished with every form of apparatus likely to be used by the practical physiologist. Every facility is afforded advanced students and graduates pursuing special studies in Physiology. The Laboratory is open throughout the year, except during July and August.

THE PATHOLOGICAL LABORATORY, under the direction of the Professor of General Pathology and Morbid Anatomy and the Demonstrator, was opened in 1874, and attracts from all sections of the country many physicians and students who desire special preparation in Pathological Histology, Bacteriology and Experimental Pathology. It is furnished with microscopes and all the appliances requisite for practical study and for original research. This Laboratory is supplied with a complete outfit for the investigation of bacteria in their relation to infectious diseases, and for the study of the lower fungi.

Each student of the Second year is provided with a separate table and microscope, with material and reagents, and receives personal instruction in Pathological Histology, in Mycology, and in the Microscopy of the Urine.

Each student of the Third year receives advanced practical instruction in Morbid Anatomy, and in the performing of autopsies. Weekly demonstrations of the gross appearance of specimens, embracing all known morbid products, mostly in fresh condition, together with the microscopic sections, are features of this course. The practical work is obligatory for students of the Second and the Third years. Special instruction and guidance in original research are given by the demonstrators to advanced students. The Laboratory is open throughout the year, except during July and August.

THE PHARMACEUTICAL LABORATORY is in charge of the Professor of Materia Medica and Pharmacy and the Instructors in Pharmacy. It is furnished with all necessary apparatus. In it the student learns not only the various pharmaceutical processes, but also that familiarity with drugs which can be acquired only by handling.

THE LABORATORY OF EXPERIMENTAL THERAPEUTICS, under the direction of the Professor of Materia Medica and Therapeutics, is

furnished with all the apparatus and instruments necessary for the study of the physiological actions of medicines.

THE DEPARTMENT OF PRACTICAL OBSTETRICS is under the supervision of the Professor of Obstetrics and the Demonstrators. The course includes operations on the cadaver and practice with the manikin, while lying-in cases are given to advanced students. (See also under MATERNITY PAVILIONS.)

THE WISTAR AND HORNER MUSEUM, founded nearly one hundred years ago, has been annually augmented, and is unsurpassed in the United States for the number and variety of its specimens illustrating the normal and morbid anatomy of every part of the human body. It also contains a large number of preparations in comparative anatomy, used in illustrating the lectures. By the munificence of General Isaac J. Wistar, THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY has been erected opposite the Medical Hall, in which the collections of the Museum are contained. The Museum is open daily, except Sunday, from 1 P. M. to 3.30 P. M. throughout the season, to matriculated students.

THE CABINET OF MORBID ANATOMY, collected by Dr. George B. Wood, and given by him to the University, contains an extensive series of wet preparations, drawings and models in wax and other materials: a collection unrivaled in extent and value, for illustrating diseases of the internal organs and of the skin.

The late distinguished Professor of Obstetrics, Dr. Hugh L. Hodge, enriched the facilities of instruction in that special branch by the gift of his valuable Cabinet.

Through the liberality of the late Dr. Henry H. Smith, Professor of Surgery, and of the late Dr. John Neill, Professor of Clinical Surgery, the University received further extensive and valuable gifts of morbid specimens, models and drawings; and the late eminent Professor of Surgery and Honorary Professor of Clinical Surgery, Dr. D. Hayes Agnew, generously presented his entire collection for the use of the Chair of Surgery.

THE LABORATORY BUILDING.

The first floor is arranged for the Operating-room, or Infirmary, of the Dental Department, and has the necessary waiting-rooms, etc., adapted to the special requirements of this department. The entrance to the Operating-room is on Spruce street.

The second and third floors are fitted up as chemical laboratories; on the second floor is the Laboratory of General Chemistry, and on the

third floor that of Medical Chemistry. In addition to the main rooms, there are two balance-rooms provided with instruments for attaining accuracy in chemical research.

The fourth floor is occupied by the Dissecting-room.

CHEMICAL LABORATORIES.—The Laboratories for Practical Chemistry are under the supervision of the Professor and Assistant Professor of Chemistry, with assistants. Students of the first year devote three hours each week in the Laboratory to the study of Qualitative Analysis. The course includes chemical manipulations, and the detailed study of the chemical reactions of the principal metals, acids and their combinations; with the general principles of Qualitative Analysis, especially as they relate to the detection and separation of metals and compounds of importance to the physician. Each student is provided with a separate table and apparatus, and is required to exhibit by written formulæ all reactions involved in his tests.

Students of the second year devote three hours per week to practical work in the Laboratory. The course embraces an introduction to the general principles of Quantitative Analysis; and the principles of Volumetric Analysis; with the practical examination of urine and animal fluids, and the recognition and recovery of poisons from the animal body and complex mixtures.

DISSECTING-ROOM.—In constructing the new Dissecting-room of the University, care was taken to provide everything that experience suggested as being necessary or desirable. The room is at the top of the Laboratory Building, and is one hundred and forty feet in length by forty feet in width. It is lighted by windows on all sides, and by skylights. The most perfect ventilation is thus secured. The tables have stone tops, which cannot absorb moisture, and are kept perfectly clean. There are numerous washstands with hot and cold water, and private closets for the use of each student. Cleanliness is rigidly enforced. The preservation of the cadaver has been so successfully accomplished as almost to do away with the dangers of dissecting wounds. Dissection is legalized in Pennsylvania.

The room is open from October 1 to the latter part of June, under the supervision of the Professor of Anatomy and the Demonstrators.

PRACTICAL SURGERY.—The applying of bandages is taught to students in their first year, while the use of fracture dressings is taught in the third year, and surgical operations on the cadaver are a part of the practical instruction to students of the fourth year, under the supervision of the Professor and Demonstrators of Surgery. Instruments and splints are supplied without expense to the student.

THE STILLÉ MEDICAL LIBRARY.

THE STILLÉ MEDICAL LIBRARY, the judicious selection and generous gift of Professor ALFRED STILLÉ, presented to the University in 1879, has received numerous additions, and now contains over six thousand volumes and five thousand pamphlets. It is deposited in the University Library.

THE HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA.

The University Hospital, constructed according to established principles of hospital architecture, is provided with all the appliances pertaining to such institutions of the best class. It is situated near the Medical Hall, and forms an integral portion of the Department of Medicine. In its various departments, during 1894, there were treated 8834 individual cases, representing almost all of the known medical, surgical and gynæcological affections.

Attendance on the Clinical Instruction given in its amphitheatres and its wards is a part of the daily duty of the students, and ample opportunities are afforded the students to gain a personal and practical acquaintance with Clinical Medicine, Clinical Surgery, Gynæcology and the specialties. These subjects are taught by the several Clinical Professors.

The Gibson Wing for Chronic Diseases, especially of the heart and lungs, was erected through the liberality of the late Henry C. Gibson. Here unusual opportunities are afforded for the study of these important affections. The Peter Hahn Ward, endowed by the late Dr. George B. Wood, has been opened for the admission of patients.

The William Pepper Laboratory of Clinical Medicine, erected through the generosity of Dr. William Pepper as a memorial to his father, adjoins the University Hospital. The purposes of the Laboratory are : to promote the interests of the patients by providing facilities for the prosecution of minute clinical studies and original researches ; and to advance the interests of Science by the publication of the results of such work. No instruction in the Laboratory is given to undergraduates.

Four positions as resident physicians in the University Hospital are awarded annually in June to the four members of the graduating class who have attained the highest general average in examinations.

MATERNITY HOSPITAL.

The first pavilion of the Maternity department of the University Hospital was opened in the autumn of 1889. The second pavilion was opened in 1891, and the main building was completed in 1894.

The Hospital has a present capacity of fifty beds and as many confinement cases a month. Two students of the graduating class are assigned to each case four weeks before the expected delivery. Under the supervision of a demonstrator, a thorough examination is made of the patient's history and present condition, with special reference to the urine, pelvis and abdomen. The labor is conducted by the students in charge of the case, under the instruction of a resident physician, and daily visits are made, during the puerperium, to the mother and child. The patient's safety is guarded by a strict system of antisepsis, and unnecessary exposure is avoided by giving to each woman a separate room during her confinement. The students fill out an elaborate record of the case, which is handed to the Professor of Obstetrics.

OTHER HOSPITALS AND HOSPITAL CLINICS.

In addition to the official clinical lectures and bedside instruction delivered at the University Hospital, medical students have the opportunity of attending clinical lectures in other hospitals, and in private classes formed for the special study of disease.

Close to the grounds of the University is the PHILADELPHIA HOSPITAL, with its thousand beds. Here are delivered twice a week Clinical Lectures on Medicine, Surgery and the Diseases of Women and Children. Lectures on Clinical Medicine and Surgery are also delivered twice a week during the greater part of the year by the Medical Staff of the PENNSYLVANIA HOSPITAL. Instruction in Clinical Surgery and Children's Diseases is also given at the CHILDREN'S HOSPITAL. There are also weekly Clinics in Medicine and Surgery at the GERMAN HOSPITAL. In the SOUTHEASTERN HOSPITAL AND DISPENSARY students of the graduating class are lodged, in rotation, to attend confinement cases in the patients' homes. To these institutions students are admitted without charge.

During the summer private classes are formed for Clinical Instruction, for which a moderate fee is charged.

Appointments of RESIDENT PHYSICIANS, amounting to thirty-five or more, are made annually in the different hospitals of the city and in the Philadelphia Dispensary. Except in one or two hospitals, these positions are now filled by competitive examination of candidates.

From the preceding summary it is evident that a prolonged residence in Philadelphia must be of the utmost value to the student, by enabling him to pursue a systematic course of study, and to become practically familiar with the scientific methods of investigating disease, and with the principles and results of its treatment.

MEDICAL SOCIETIES.

THE STILLÉ, H. C. WOOD, WILLIAM PEPPER, D. HAYES AGNEW, JOHN
ASHHURST, JR., JOHN GUITÉRAS, BARTON C. HIRST AND
JAMES TYSON SOCIETIES

are composed of senior students. Their meetings are held bi-weekly during the session, for the purpose of reading and discussing papers relating to the Practice of Medicine and Surgery, to Pathology and Obstetrics.

PRIZES TO BE AWARDED JUNE, 1896.

NOTE.—*Theses and Reports in Competition for Prizes, must be presented to the Dean on or before April 1. Prizes will not be awarded unless the work submitted reaches a high standard of excellence.*

THE ALUMNI MEDAL is offered by the Society of the Alumni of the Department of Medicine of the University, to the member of the Graduating Class who attains the highest general average in examinations.

A Prize of One Hundred dollars is offered by a friend of the University, to the member of the Graduating Class who passes the best examination in Obstetrics.

The Professor of Obstetrics offers a Prize of an Obstetrical Forceps to the member of the Graduating Class who furnishes the best report of a case of Obstetrics occurring in the University Maternity Hospital.

The Professor of Clinical Medicine offers a Prize of a Thoma-Zeiss Blood-Counting Apparatus, and a Fleischl's Hæmometer, for the best report of his clinic during the session.

The Professor of Clinical Surgery offers a Prize of a Surgical Pocket-case for the best report of his clinics during the session; also a Prize of a copy of Treves' Operative Surgery to one member of each of the four Surgical Ward Class sections for reports of that service.

The Clinical Professor of Orthopædic Surgery offers a Prize of an Antiseptic Minor Operating Case for the best practical work in Orthopædic Surgery, or for an acceptable original design in Apparatus.

The Clinical Professor of Genito-Urinary Diseases offers a Prize of a copy of Treves' Operative Surgery for the best thesis on a clinical study of cases.

A Prize of a Surgical Pocket-case is offered by the Demonstrator of Anatomy, to the member of the Graduating Class who presents the best record of anamolies found in the anatomical rooms.

Two Prizes are offered by the Demonstrator of Surgery: a Pocket-case of instruments to a member of the Graduating Class for proficiency in Fracture Dressings and in Operative Surgery; a Pocket-case of instruments to a member of the First-year Class for proficiency in Bandaging.

A Prize of a copy of Ashhurst's Surgery is offered by the Demonstrator of Osteology, to the member of the First-year Class who passes the best examination in Osteology.

A Prize of a case of Autopsy Instruments is offered by the Demonstrator of Morbid Anatomy for the best report of his Autopsies.

A Prize of a Hæmocytometer is offered by the Lecturer on Physical Diagnosis, to the member of the First-year Class who presents the best report of the lectures on Physical Diagnosis.

A Prize of an Axis-traction Obstetrical Forceps is offered by the Barton Cooke Hirst Obstetrical Society to the member of the Graduating Class who passes the best examination in Operative Obstetrics.

The JOSEPH ZENTMAYER Prize of a Histological Microscope, with two object glasses and two eye-pieces, is offered by the successors of Joseph Zentmayer to the student passing the best examinations in Histology and Embryology, the average to be made from the combined marks of the separate examinations on these branches.

A Prize of Twenty-five dollars is offered by a friend of the University to the student who passes the best special examination in Therapeutics.

SOCIETY OF THE ALUMNI OF THE DEPARTMENT OF MEDICINE.

Any graduate of the Department of Medicine, in good standing, may become a member of this Society by forwarding to the Treasurer the sum of two dollars; and thereafter the annual contribution shall be two dollars.

OFFICERS.

President.—Traill Green, M. D.

Vice-Presidents.—Meredith Clymer, M. D.; William Hunt, M. D.;
Claudius Mastin, M. D.; Hiram Corson, M. D.*

Secretary and Treasurer.—Joseph P. Tunis, M. D., 129 S. 18th
St., Philadelphia.

Chairman of Executive Committee.—S. D. Risley, M. D., 1722 Walnut
St., Philadelphia.

* Deceased.

DEPARTMENT OF MEDICINE.

It is the intention of the Society to prepare a complete catalogue of the graduates of the Medical Department, so soon as funds will permit. Any graduate who has not already received a blank form requesting the necessary information, may obtain one upon application to the Secretary. The latter will also be pleased to furnish further particulars, if desired.

Alumni are requested to send to the Secretary notice of change of residence, or other information likely to be of service in the preparation of this catalogue.

DEGREES IN COURSE.

At a public Commencement, held on THURSDAY, JUNE 13, 1895, the following Degrees were conferred:

Doctor of Medicine:

NAME.	POST OFFICE.	STATE.
Allison, Edwin E.	Washington . . .	Pennsylvania.
Angle, Edward J., B. S. M. D.	Freeport . . .	Illinois.
(Wisconsin.)		
Anthony, Isham H., A. B. (Fiske)	Brownsville . . .	Tennessee.
Armstrong, Alexander	Trenton	New Jersey.
Auten, Frank E., B. S.	Monticello . . .	Illinois.
Babcock, W. Wayne, M. D.	Binghamton . . .	New York.
Bailey, William J.	New Glasgow . . .	Nova Scotia.
Balderston, Stephen V.	North Wiltshire . .	Pr. Edwards Isl.
Barbee, Hugh A.	Point Pleasant . .	West Virginia.
Barnett, Robert T.	New Bloomfield . .	Pennsylvania.
Barrett, Thomas	Irwin	Pennsylvania.
Barrett, Walter Kenney	Wilmington . . .	Delaware.
Beattie, John	Lebanon	Pennsylvania.
Bellot, Claude H. L.	Roseau	Dominica, W. I.
Bentley, J. Irving	Philadelphia . . .	Pennsylvania.
Bessey, Herman	Odessa	Delaware.
Birchard, George G.	Cambridge	Pennsylvania.
Bishop, John S.	Snow Hill	Maryland.
Blanchard, Geo. A., A. B. (Williams)	Hudson	New Hampshire
Bogue, Frederic L., D. D. S.	Montclair	New Jersey.
Boyden, Henry D., M. D.	Grand Island . . .	Nebraska.
Bradley, D. Cameron	Philadelphia . . .	Pennsylvania.
Braucht, Harvey S., B. S.	Coburn	Pennsylvania.
Brown, Harry MacVeagh	Philadelphia . . .	Pennsylvania.
Brunn, Harold	San Bernardino . .	California.
Bryan, Henry W.	Wilmington . . .	Delaware.
Bucher, Fred'k C., B. A. (Princeton)	Columbia	Pennsylvania.
Buck, Jefferies, B. A. (Mississippi)	Biloxi	Mississippi.
Buehler, George Van Buskirk	Pottstown	Pennsylvania.
Burkhard, Edwin D.	Trinidad	Colorado.
Burt, N. Howard	Bridgeton	New Jersey.
Butler, Harry, B. S.	Hampden	Maine.
Camac, Charles N. Bancker	Philadelphia . . .	Pennsylvania.
Carncross, Horace Leedom	Philadelphia . . .	Pennsylvania.

NAME.	POST OFFICE.	STATE.
Carroll, Charles J	Dennisville . . .	New Jersey.
Carter, Andrew D.	Mauch Chunk . .	Pennsylvania.
Chakaloff, George N.	Samokov	Bulgaria.
Chapman, Harry J	Cleveland	Ohio.
Cisler, Louis H., Ph. B. (Marietta)	Marietta	Ohio.
Clark, Colin R.	Mandan	North Dakota.
Cleaver, Henry A., Ph. B. (Wesleyan)	Chesapeake City.	Maryland.
Coley, Thomas L., A. B. (Penna.)	Philadelphia . .	Pennsylvania.
Coll, Hugh J.	Connellsville . .	Pennsylvania.
Connell, E. Dewitt	Hillsboro'	Oregon.
Corson, Elton S., A. B. (Bucknell)	Marmora	New Jersey.
Crowley, Joseph W.	Philadelphia . .	Pennsylvania.
David, Jules Ernest	Paris	France.
Day, Paul Marley, Ph. B. (Michi- gan.)	Detroit	Michigan.
Dechert, Harry W.	Schuylkill Haven	Pennsylvania.
Delabarre, Frank A., A. B.	Conway	Massachusetts.
Dennis, J. Benj., A. B. (C. H. S.)	Philadelphia . .	Pennsylvania.
Denslow, Walter B.	Wellsville	Ohio.
Dill, George M.	York Springs . .	Pennsylvania.
Donaldson, Harry J.	Williamsport . .	Pennsylvania.
Donoghue, Robert L., Ph. G. . . .	Philadelphia . .	Pennsylvania.
Downs, Robert Norton, Jr.	Germantown . .	Pennsylvania.
Drake, Ellwood L.	Philadelphia . .	Pennsylvania.
Earhart, Charles H.	Karns City . . .	Pennsylvania.
Ellis, Henrique	Sao Paulo	Brazil.
Ferris, Francis S.	Philadelphia . .	Pennsylvania.
Fetter, Eugene C.	Hatboro	Pennsylvania.
Fisler, Harry Cattell, A. B. (Lafay- ette)	Easton	Pennsylvania.
Fleming, Anthony	Dundas	Ontario.
Franklin, Melvin M., B. S. (Temple)	Philadelphia . .	Pennsylvania.
Frew, George W. H.	Paradise	Pennsylvania.
Fritz, Clarence Henry	Philadelphia . .	Pennsylvania.
Fuller, Frank J.	Potsdam	New York.
Gans, Sigmund L.	Philadelphia . .	Pennsylvania.
Gardner, E. Roy	Easton	Pennsylvania.
Gerlach, Richard F.	Trenton	New Jersey.
Gerson, T. Perceval, A. B. (C. H. S.)	Lansdowne . . .	Pennsylvania.
Gibby, Herbert B., A. B. (Princeton)	Princeton	New Jersey.
Gilbride, John J.	Hawley	Pennsylvania.

NAME.	POST OFFICE.	STATE.
Gillespie, Martin S.	Edinboro	Pennsylvania.
Gingrich, Edward H.	Lebanon	Pennsylvania.
Gittings, J. Claxton	Philadelphia . .	Pennsylvania.
Glasgow, S. McPheeters	Lexington	Virginia.
Gomberg, Max B.	Providence	Rhode Island.
Graves, Charles T., M. E. (S. W. S., N. S.)	Garwood	Pennsylvania.
Greenleaf, Henry Simpson, A. B. (Johns Hopkins)	Washington . . .	Dist. Columbia.
Griggs, Joseph F., Jr., A. B. (West- ern University Pennsylvania)	Pittsburg	Pennsylvania.
Grim, Edward A., M. D.	Kirksville	Missouri.
Gross, Herman W.	Boston	Massachusetts.
Haden, Henry C.	Galveston	Texas.
Hannum, William R.	Wake Forest . . .	North Carolina.
Harrington, Timothy L., B. S. (Wis- consin)	Oshkosh	Wisconsin.
Harris, Frank D., A. B. (C. H. S.)	Philadelphia . . .	Pennsylvania.
Harris, Irving E., Ph. B. (Roches- ter)	Rochester	New York.
Hartman, Irvin H.	Leinbach's	Pennsylvania.
Harvey, Edwin H., M. E.	Leesport	Pennsylvania.
Hawke, Edward S.	Hopewell	New Jersey.
Hays, George L.	Ashton	Missouri.
Heller, Edwin A.	Philadelphia . . .	Pennsylvania.
Henry, John Norman	Philadelphia . . .	Pennsylvania.
Hickman, W. Atlee	Philadelphia . . .	Pennsylvania.
Higgins, Aubrey F.	Germantown	Pennsylvania.
Higgins, Frank J.	Pittston	Pennsylvania.
Hill, Hugh Hodge	Locust Dale	Virginia.
Hollister, Charles M., A. B. (Wil- liams)	Cambridge	New York.
Hopkins, Frank	Warm Springs . . .	Virginia.
Hopkins, Samuel W.	Malden	Illinois.
Hornbeck, James L.	Catasauqua	Pennsylvania.
Horsky, Rudolph	Helena	Montana.
Howe, Harry D., B. S. (Cornell)	Hampton	Virginia.
Hunt, Alonzo L.	Hamilton Square . .	New Jersey.
Hurd, Albert G., A. B. (Colby)	Westminster	Massachusetts.
Irwin, Robert Alexander	Knoxville	Tennessee.
Jamison, Hugh D.	Greensburg	Pennsylvania.

NAME.	POST OFFICE.	STATE.
Johnson, Woodbridge O., A. M. (Lafayette)	Easton	Pennsylvania.
Kalteyer, Fred. J.	San Antonio . .	Texas.
Kennedy, Louis T.	Pottsville . . .	Pennsylvania.
Kenworthy, William B.	Philadelphia . .	Pennsylvania.
Kercher, Delno E., A. B. (Iowa) . .	Leona	Kansas.
Kinner, George M.	Towanda	Pennsylvania.
Kistler, Clinton J., M. E.	Germansville . .	Pennsylvania.
Knapp, Lewis P.	Armonk	New York.
Knedler, J. Warren, M. E.	Alburtis	Pennsylvania.
Knowlton, Charles D., M. D. . . .	Boston	Massachusetts.
Koch, James Lafayette	Leetonia	Ohio.
Krall, George Hyde	Philadelphia . .	Pennsylvania.
Lack, C. Eugene, Ph. G.	Bethlehem . . .	Pennsylvania.
Laidley, John C.	Carmichael's . .	Pennsylvania.
Langlois, William E.	Worcester . . .	Massachusetts.
Langmaid, Frank W. S.	Philadelphia . .	Pennsylvania.
Leamy, La Barre Jayne	Philadelphia . .	Pennsylvania.
Leary, Montgomery E., B. A. (Rochester)	Rochester . . .	New York.
Leeke, Harry L., Ph. G.	Baltimore . . .	Maryland.
Leidy, C. Fontaine Maury	Philadelphia . .	Pennsylvania.
Lewis, Charles, A. B. (Wash. and Jeff.)	Frostburg . . .	Pennsylvania.
Lichty, Milton J., Ph. B. (Mt. Union)	Waterloo	Iowa.
Lilly, Howard H., Ph. G.	Philadelphia . .	Pennsylvania.
Lindsay, Rowland S., A. B. (C. H. S.)	Philadelphia . .	Pennsylvania.
Livingood, Louis E., A. B. (Princeton)	Reading	Pennsylvania.
Logue, William P.	Williamsport . .	Pennsylvania.
Loucks, Meade M., A. B. (Wash. and Jeff.)	Scottdale . . .	Pennsylvania.
Lyman, Almon H., M. D.	Fillmore	New York.
Lytle, Isaac Walter	Philadelphia . .	Pennsylvania.
Marvel, Emery, Jr.	Dover	Delaware.
Maitland, D. Lewis	Middletown . .	Connecticut.
Mann, Enos S.	Columbia	Pennsylvania.
Maris, Willard L., B. S. (Michigan)	Newtown	Pennsylvania.
M. S. (Swarthmore.)		
Mathews, George W.	Worcester . . .	Massachusetts.

NAME.	POST OFFICE.	STATE.
Mead, Frank N., M. D.	Bristow	Iowa.
Meanor, William Craig	Greensburg	Pennsylvania.
Medrick, Raphael F., B.A. (Williams)	Port Jervis	New York.
Miller, Lewis H.	Friesburg	New Jersey.
Mowery, Samuel E.	Newburg	Pennsylvania.
Murphey, James	Middletown	Connecticut.
Murray, Thomas Walker, M. D.	Philadelphia	Pennsylvania.
Mutschler, Louis H.	Canandaigua	New York.
Myer, Will W.	Towanda	Pennsylvania.
McCarthy, Daniel J., A. B. (C. H. S.)	Philadelphia	Pennsylvania.
McDowell, Norris S.	Philadelphia	Pennsylvania.
McGirk, Charles E.	Phillipsburg	Pennsylvania.
McKay, James G.	Pittsburg	Pennsylvania.
McLean, Joseph R.	Philadelphia	Pennsylvania.
McReynolds, Robert P., B. S. (Van- derbilt)	Elkton	Kentucky.
McWhorter, Thomas H.	Millington	Maryland.
Newton, LeRoy Allen	Greenfield	Massachusetts.
Ohnesorg, Karl	Bridgeport	Connecticut.
Orr, John C.	Chambersburg	Pennsylvania.
Palmer, Harold Gustavus	Haverhill	Massachusetts.
Partridge, Herbert G., A. B. (Brown)	West Dedham	Massachusetts.
Pendleton, Arthur S.	Warrenton	North Carolina.
Phillips, Lorenzo B.	Bridgeton	New Jersey.
Porter, William S.	Oakland	California.
Purves, Geo. Morehouse, A. B. (C. H. S.)	Philadelphia	Pennsylvania.
Quetil, Charles E.	Chestnut Hill	Pennsylvania.
Ramsdell, Ernest S.	Camden	New Jersey.
Randall, Arthur G., A. B. (Tufts)	North Attleboro	Massachusetts.
Randall, Clifford W.	Worcester	Massachusetts.
Rankin, Charles C., A. B. (C. H. S.)	Philadelphia	Pennsylvania.
Rankin, Irving C., B. Ph. (Syracuse)	Akron	Ohio.
Ray, George S., A. B. (Allegheny)	Meadville	Pennsylvania.
Rectenwald, John J., V. M. D.	Pittsburg	Pennsylvania.
Reed, George A., M. E. D.	W. Millcreek	Pennsylvania.
Reinoehl, David V., Ph. G.	Lebanon	Pennsylvania.
Reese, F. Gurney	Knoxville	Pennsylvania.
Rice, T. Harper	Pottstown	Pennsylvania.
Richards, E. Wallace	Easton	Pennsylvania.

NAME.	POST OFFICE.	STATE.
Richmond, George N., A. B. (Brown)	Green River . . .	Vermont.
Rigg, Walter A.	Reading	Pennsylvania.
Riley, John D.	Shenandoah . . .	Pennsylvania.
Robbins, Clifton Z.	Shenandoah . . .	Pennsylvania.
Robinson, Frank N.	Camden	New Jersey.
Robinson, George Willis	Bayou La Chute .	Louisiana.
Roderick, Edward R.	Hazleton	Pennsylvania.
Roedel, William R.	Lebanon	Pennsylvania.
Ross, J. Gordon	Philadelphia . . .	Pennsylvania.
Rothrock, Harry A.	West Chester . . .	Pennsylvania.
Russell, Andrew Lyle, A. B. (Westminster)	Bulger	Pennsylvania.
Schleif, William, Ph. G.	Philadelphia . . .	Pennsylvania.
Schreiner, Edward R.	Philadelphlia . . .	Pennsylvania.
Scheirer, Franklin B.	Hokendauqua . . .	Pennsylvania.
Scott, William L., A. B.	Venice	Pennsylvania.
Sellers, Robert B.	Georgetown . . .	Texas.
Shaffer, Alonzo	Fort Washington .	Pennsylvania.
Shambaugh, George E.	Clinton	Iowa.
Sharp, Leedom, LL. B.	St. Paul	Minnesota.
Sherer, Joseph Whitman, M. D. . .	Red Oak	Iowa.
Shimer, Sterling D., A. B. (Lafayette)	Easton	Pennsylvania.
Shope, Samuel Z., M. E. D. . . .	Harrisburg	Pennsylvania.
Shorb, J. De Barth, Jr.	Los Angeles . . .	California.
Silva, José Marie	Managua	Nicaragua.
Simonton, Thomas Grier, A. B. (Wash. and Jeff.)	Emmitsburg	Maryland.
Simpson, William Albert	Indiana	Pennsylvania.
Singley, John De Vinne, A. B. (Wash. and Jeff.)	Uniontown	Pennsylvania.
Slaughter, Charles H. P.	Philadelphia . . .	Pennsylvania.
Smith, Dennis Kelly, A. B. (Waynesburg.)	Elkin	Pennsylvania.
Snively, A. Barr, A. B. (Johns Hopkins.)	Waynesboro' . . .	Pennsylvania.
Stadelman, Eugene	Bala	Pennsylvania.
Stewart, George W.	Missoula	Montana.
Stoner, Robert Royer	Centreview	Missouri.
Stump, William, A. B. (Princeton)	Baltimore	Maryland.
Sturgiss, Alfred G., Ph. B. (Marietta)	Marietta	Ohio.

NAME.	POST OFFICE.	STATE.
Sylvester, Homer, B. S. (Wisconsin.)	Mineral Point . .	Wisconsin.
Taylor, Alfred H.	Salt Lake City .	Utah.
Taylor, J. Gurney	Overbrook . . .	Pennsylvania.
Taylor, T. Clarkson	Wilmington . .	Delaware.
Thomas, Thomas Turner	Scranton . . .	Pennsylvania.
Turner, William T.	Philadelphia . .	Pennsylvania.
Turpin, Charles J., A. M., (Dickinson.)	Absecon . . .	New Jersey.
Urtecho, Isidro	Rivas	Nicaragua.
Vankirk, Frank S.	Washington . .	Pennsylvania.
Veith, Charles A.	Pottsville . . .	Pennsylvania.
Walker, Thomas Holmes	Pittsburg . . .	Pennsylvania.
Walker, William Pomp	Topeka	Kansas.
Wallis, J. Frank	Philadelphia . .	Pennsylvania.
Walsh, James J., A. M., (Fordham)	Parsons	Pennsylvania.
Walsh, Joseph P., A. M. (Fordham)	Parsons	Pennsylvania.
Ward, James Melvin, A. M. (Allegheny.)	Philadelphia . .	Pennsylvania.
Weill, Nathan J.	Titusville . . .	Pennsylvania.
Wentz, B. Frank	New Providence .	Pennsylvania.
Weyant, Harry W.	Philadelphia . .	Pennsylvania.
Wheeler, Harry S.	Phoenixville . .	Pennsylvania.
White, Courtland Y., Jr.	Philadelphia . .	Pennsylvania.
Wilhelm, Julius M.	Traverse City .	Michigan.
Wilkinson, Charles E.	Argenta	Illinois.
Williams, Henry L., B. A. (Yale)	Hartford	Connecticut.
Williams, Jos. John Gurney	Germantown . .	Pennsylvania.
Williamson, James	Philadelphia . .	Pennsylvania.
Wills, T. Edmund	Pottstown . . .	Pennsylvania.
Willson, Harry G.	Warrensville . .	Pennsylvania.
Wilson, James F., A. B. (C. H. S.)	Philadelphia . .	Pennsylvania.
Woods, Richard F., A. B. (Princeton.)	Philadelphia . .	Pennsylvania.
Woolley, Scudder J., Ph. G. . . .	Long Branch . .	New Jersey.
Wright, Barton Lisle	Philadelphia . .	Pennsylvania.
Xander, William O., B. S. (Palatine.)	New Mahoning .	Pennsylvania.
Yaeger, Christian George, A. B. (C. H. S.)	Philadelphia . .	Pennsylvania.
Zerfing, Charles E.	Ashland	Pennsylvania.

Of the foregoing there were from—

Brazil	1	Massachusetts . . .	11	Ontario	1
Bulgaria	1	Michigan	2	Oregon	1
California	3	Minnesota	1	Pennsylvania . . .	136
Colorado	1	Mississippi	1	Prince Edward Island	1
Connecticut	4	Missouri	3	Rhode Island . . .	1
Delaware	5	Montana	2	Tennessee	2
District of Columbia	1	Nebraska	1	Texas	3
France	1	New Hampshire . . .	1	Utah	1
Illinois	4	New Jersey	15	Vermont	1
Iowa	4	New York	9	Virginia	4
Kansas	2	Nicaragua	2	West Indies	1
Kentucky	1	North Carolina . . .	2	West Virginia . . .	2
Louisiana	1	North Dakota	1	Wisconsin	2
Maine	1	Nova Scotia	1		
Maryland	6	Ohio	6	Total	250

PRIZES AWARDED AT COMMENCEMENT, JUNE 13, 1895.

The ALUMNI MEDAL, with an accompanying Purse of Fifty Dollars, to the member of the Graduating Class who attains the highest general average in examination, was awarded to *William Pomp Walker*.

The Prize of One Hundred Dollars, offered by an Alumnus to the member of the Class graduating in June, 1895, who presents the best thesis descriptive of original research in Physiology, was awarded to *Joseph P. Walsh*, with Honorable Mention of the thesis of *Leedom Sharp*.

The Prize of One Hundred Dollars, offered by a friend of the Department to the member of the graduating Class who passes the best examination in Obstetrics, was awarded to *Walter B. Denslow*, with Honorable Mention of *William Pomp Walker*.

The Prize of Twenty-five Dollars, offered by a friend of the Department to the member of the Graduating Class who passes the best examination in Therapeutics, was awarded to *W. Wayne Babcock*, with Honorable Mention of *Horatio C. Wood, Jr.*

The Prize of a Thoma-Zeiss Blood Corpuscle Counting Apparatus and a Fleischl Hæmometer, offered by the Professor of Clinical Medicine for the best report of his clinics during the session of 1894-95, was awarded to *Louis E. Livingood*, with Honorable Mention of the report of *William Schleif* and *John DeVinne Singley*.

The Prize of a pair of Obstetric Forceps, offered by the Professor of Obstetrics to the member of the Graduating Class furnishing the best report of a case occurring in the University Maternity Hospital, was awarded to *Charles E. Quetil*, with Honorable Mention of the report of *Leedom Sharp*.

The Prizes of a copy of Treves' Operative Surgery, offered by the Professor of Clinical Surgery to one member of each of the four Surgical Ward Class sections for reports of that service, were awarded respectively to *William Stump* and *Francis D. Patterson*, with Honorable Mention of the report of *Joseph P. Walsh*.

The Prizes of a Surgical Pocket-Case and a copy of Treves' Operative Surgery, offered by the Professor of Clinical Surgery for the best reports of his clinics during the session, were awarded respectively to *James J. Walsh* and *William Schleif*, with Honorable Mention of the reports of *A. Barr Snively* and *Charles E. Quetil*.

The two Prizes offered by the Demonstrator of Surgery, were awarded as follows : A Surgical Pocket-case for proficiency in Fracture

Dressings and in Operative Surgery, to *Harry J. Chapman*, of the Graduating Class, with Honorable Mention of *Samuel W. Hopkins* and *N. Howard Burt*. A Surgical Pocket-case to *Alfred R. Allen*, of the First-year Class, for proficiency in Bandaging, with Honorable Mention of *Albert W. Myers* and *Harry M. Anderson*.

The Prize of a copy of Ashhurst's Surgery, offered by the Demonstrator of Osteology to the member of the First-year Class who passes the best examination in Osteology, was awarded to *Frederick H. Howard*, with Honorable Mention of *J. Weir Grissinger* and *Eugene T. Hinson*.

The ZENTMAYER Prize of a Microscope, for the best examination in Histology and Embryology, was awarded to *Clarence W. Wille*, with Honorable Mention of *J. Ross Mossgrove, Jr.*

The Prize of Twenty-five Dollars, offered annually by the D. Hayes Agnew Surgical Society to the student preparing the best anatomical preparation in the dissecting-room, was awarded to *Elmer E. Neff*, of the Second-year Class, and *Charles W. McConnell*, of the First-year Class, for their joint preparation; with Honorable Mention of the preparation of *William F. Dager*.

The Prize of a case of Autopsy Instruments, offered by the Demonstrator of Morbid Anatomy for the best report of his Autopsies, was awarded to *Joseph P. Walsh*.

The Prize of a Hæmocytometer, offered by the Lecturer on Physical Diagnosis to the member of the First-year Class who presents the best report of his lectures on Physical Diagnosis, was awarded to *Harry C. Westervelt*, with Honorable Mention of the reports of *Joseph Bringhurst* and *George U. Gates*.

The Dr. LOUIS J. C. KIMMELL PRIZE of an Antiseptic Minor Operating Case, offered to the student who presents the best thesis on a surgical subject, was awarded to *James J. Walsh*, with Honorable Mention of the thesis of *Frank N. Robinson*.

The Prize of a Surgical Pocket-case, offered by the Demonstrator of Anatomy to the member of the Graduating Class who presents the best record of anomalies found in the anatomical rooms, was awarded to *James J. Walsh*.

The Prize of a copy of Treves' Operative Surgery, offered by the Clinical Professor of Genito-Urinary Diseases for the best thesis on a clinical study of cases, was awarded to *Francis D. Patterson*.

The Prize of an Antiseptic Minor Operating Case, offered by the Clinical Professor of Orthopædic Surgery, for the best practical work in Orthopædic Surgery, or for the best report of his Clinic, or for an acceptable original design in Apparatus, was awarded to *James J.*

Walsh, with Honorable Mention of *D. Cameron Bradley* and *James M. Ward*.

The Prize of an Axis-traction Obstetrical Forceps, offered by the Barton Cooke Hirst Obstetrical Society to the member of the Graduating Class who passes the best examination in Operative Obstetrics, was awarded to *James J. Walsh*, with Honorable Mention of *Irving C. Rankin*.

APPOINTMENTS TO HOSPITALS.

The following graduates of the Medical Department, Class of 1895, arranged in alphabetical order, were appointed to Hospitals on competitive examination :

University Hospital—

Brunn, Harold,
Ramsdell, Ernest S.,
Schleif, William,
Shorb, J. De Barth, Jr.

Philadelphia Hospital—

Armstrong, Alexander,
Howe, Harry D.,
Kistler, Clinton J.,
McCarthy, Daniel J.,
McReynolds, Robert P.,
Myers, Sylvan, '94,
Ohnesorg, Karl,
Rankin, Irving C.,
Rothrock, Harry A.,
White, Courtland Y.,
Zerfing, Charles E.

St. Joseph's Hospital—

Walker, William Pomp,

Children's Hospital—

Clark, Colin R.,
Henry, John Norman.

Philadelphia Polyclinic Hospital—

Kistler, Clinton J.,
Schreiner, Edward R.

Presbyterian Hospital—

Buck, Jeffries,
Griggs, Joseph F.,
McReynolds, Robert P.
Schreiner, Edward R.

German Hospital—

Gerlach, Richard F.,
Gittings, J. Claxton,
Maris, Willard L.

St. Agnes' Hospital—

Gilbride, John J.,
Greenleaf, Henry S.,
Shorb, J. DeBarth, Jr.,
Walsh, Joseph P.,
Glasgow, S. McPheeters.

St. Mary's Hospital—

Higgins, Frank J.

Howard Hospital—

Hickman, Walter Atlee,
Williams, Henry L.

Methodist Episcopal Hospital—

Ray, George S.,
Ward, James Melvin.

Orthopædic Hospital—

Allison, Edwin E.,
Wilson, Andrew J., '94.

Allegheny General Hospital—

Leeke, Harry L.,
Lichty, Milton J.,
Rankin, Irving C.

Mercy and St. Rosalie Hospital, Pittsburg—

Denslow, Walter B.,
Hays, George L.,
McReynolds, Robert P.,
Simonton, T. Grier,
Singley, John D.

City Hospital, Wilkesbarre, Pa.—

Roderick, Edward,
Rothrock, Harry A.

St. Joseph's Hospital, Reading, Pa.—

Hartman, Irving H.

St. Luke's Hospital, Bethlehem—

Walker, William Pomp.

Rhode Island General Hospital, Providence—

Auten, Frank E.,
Downing, Thomas F.,
Palmer, Harold G.,
Partridge, Herbert G.,
Richmond, George N.

St. Joseph's Hospital, Providence, R.I.—

Buchler, George V.,
Haunum, William R.

Cooper Hospital, Camden, N. J.—
Blanchard, George A.,
Marvel, Emery,
Myers, Sylvan, '94.

Emergency Hospital, Boston, Mass.—
Aiken, Thomas F.,
Pendleton, Arthur S.,
Robrecht, John J.

Emergency Hospital, Washington, D.C.
Shortlidge, Edmund D.

King's County Hospital, Flatbush, N. Y.
Johnson, Woodbridge O.

The following graduates were appointed to Hospitals without examination :

Wills' Eye Hospital—
Esterley, D. Edward, '93.

St. Christopher's Hospital—
Harris, Irving E.,
Hill, Hugh Hodge,
Sellers, Robert B.,
Taylor, J. Gurney.

Philadelphia Dispensary—
Bessey, Herman.

Episcopal Hospital—
Booth, Arthur W., '94,
Carncross, H. Leedom,
Carmany, Harry S., '93,
Garitee, Clarence J., '94,
McLeod, George I., '94,
Swartzlander, Frank B., '94,
Yarrow, Thomas J., Jr., '94.

Pennsylvania Hospital—
Scattergood, Joseph, '94,
Starbuck, J. Clinton, '94.

Germantown Hospital—
Stadelman, Eugene,
Williams, J. J. Gurney.

Chester Hospital, Chester, Pa.
Hawke, Edward S.

Cambridge Hospital, Cambridge,
Mass.—
Brunn, Harold.

Lackawanna Hospital, Scranton, Pa.—
Blanchard, George A.,
Lewis, Charles,
McLean, Joseph R.

Pottstown Hospital, Pottstown, Pa.—
Blanchard, George A.

McKeesport Hospital, McKeesport,
Pa.—
Shimer, Sterling D.

Norwegian Hospital, Brooklyn, N. Y.—
Lack, C. Eugene.

St. Joseph's Hospital, Paterson, N. J.—
Sylvester, Homer.

City Hospital, Newark, N. J.—
Sylvester, Homer.

St. Catharine's Hospital, Brooklyn,
N. Y.—
McNamara, William A., '94.

Charity Hospital, Norristown, Pa.—
Thomas, Thomas T.

National Home for Disabled Volunteer
Soldiers, Va.—
Balderston, Stephen V.,
McKay, James G.

Soldiers and Sailors' Home, Erie, Pa.—
Forst, John R., '93.

Harrisburg Hospital, Harrisburg, Pa.—
Willson, Harry G.

Children's Seashore House, Atlantic
City, N. J.—
Griggs, Joseph F.

Seaside House for Invalid Women, At-
lantic City, N. J.—
Taylor, J. Gurney.

- | | |
|---|--|
| Mary M. Packer Hospital, Sunbury, Pa.
Dennis, J. Benjamin. | New York Eye and Ear Infirmary, New
York City—
Prefontaine, Louis A., '92,
Shumway, Edward A., '94. |
| City Hospital, Williamsport, Pa.—
Donaldson, Harry J. | Pottsville Hospital, Pottsville, Pa. -
Dechert, Harry W. |
| Pittston Hospital, Pittston, Pa.—
Gibby, Herbert B. | Erie County Hospital, Buffalo, N. Y.—
Knapp, Lewis P.,
Lockard, Lorenzo B., Jr., '94. |
| Moses Taylor Hospital, Scranton, Pa.—
Brown, Harry MacVeagh. | |

HOSPITAL OF THE UNIVERSITY OF PENNSYLVANIA.

JOHN S. BILLINGS, M. D., LL. D., DIRECTOR.

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SAMUEL S. STRYKER, M. D.

ON THE PART OF THE BOARD OF WOMEN VISITORS.

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ON LIBRARY AND MUSEUM: JOHN SAILER.

The names of the medical staff and officers of the Hospital are printed in the preceding pages, under Department of Medicine.

The UNIVERSITY HOSPITAL, is under the immediate direction of a Board of Managers, constituted as above. It is situated on a lot of ground between Thirty-fourth and Thirty-sixth streets, and Spruce and Pine streets, given by the City of Philadelphia to the University. The main building and one wing were opened for the reception of patients and for purposes of clinical instruction in 1874. In 1882 a new wing was added, through the liberality of Mr. Henry C. Gibson, for patients suffering from Chronic Diseases.

The MAIN BUILDING, besides the offices and the rooms of the officers, has a large clinical Amphitheatre, which will seat six hundred students, and a smaller one seating one hundred and fifty. It also has twelve rooms for private patients. The wing adjoining has four wards, with a capacity of one hundred and ten patients, and sixteen private rooms. The wing for Chronic Diseases has room for sixty-two patients in its four wards. There is, therefore, full accommodation for one hundred and eighty-six patients. In the basement are surgical and medical dispensaries, also special dispensaries for diseases of the throat and nose, diseases of children, diseases of the skin, the eye and the ear, nervous diseases, diseases of women, for orthopædics and for venereal diseases, and for out-door patients. In connection with the Orthopædic Dispensary is a workshop, in which braces and other appliances are made.

The hallways are well lighted and spacious, and can be used as wards, should there be any sudden demand which the capacity of the regular wards could not meet.

The Hospital is also well adapted to purposes of teaching. A large part of the instruction given to the students in the Medical School is given here, as will be seen by reference to the rosters.

All cases of accident occurring in the State of Pennsylvania, which are brought to the Hospital within twenty-four hours after their occurrence, are admitted at any hour of the day or night. An ambulance will be sent for such cases, if notice is given by telephone or messenger.

Charity patients are admitted by the members of the Medical Staff on a written order to the Superintendent; provided that a bed be vacant in the department to which the member of the Medical Staff is attached.

Paying patients are received at the Hospital on application to the Superintendent, subject to the approval of the proper attending medical officer. The charge in the wards is \$7.00 per week; in the private

rooms, of which there are twenty-eight, the prices range from \$17.50 to \$35.00 per week. The friends of the patients can be accommodated in the Hospital under certain circumstances, but it is better for them to board in the neighborhood, where rates range from \$5.00 per week upwards.

No patient with acute venereal disease, or mania-à-potu, is admitted as a free patient, but is charged such rates for board as may be agreed upon. There are special apartments for mania-à-potu patients.

Visitors are admitted to see patients in the private rooms at convenient hours.

Visitors are admitted to the wards on week-days between 3 and 4 P. M., and on Sundays from 2 to 3 P. M.

Four positions as resident physicians in the University Hospital are awarded annually in June to the four members of the graduating class of the Department of Medicine who have attained the highest general average in examinations. The resident physicians go on duty at intervals of three months and serve during a term of two years.

An Annual Report of the Hospital is published, giving detailed statistics of the year. Copies may be had on application to the Superintendent.

Communications concerning the business of the Hospital and the admission of patients should be addressed to the Superintendent, MARY E. P. DAVIS, and not to the Dean of the Faculty of Medicine.

TRAINING SCHOOL FOR NURSES.

The Training School for Nurses, attached to the Hospital of the University, was organized in 1886. In that year a HOME FOR NURSES was erected in memory of Mrs. Richard D. Wood by her children, and has since then been considerably enlarged by the same generous donors. The building was completely furnished by the women members of the Training School Committee, and every provision is made for the healthful and comfortable home life of the pupil nurses. The course of instruction covers a period of three years. Besides the regular ward and class instruction, courses of lectures are given in Hygiene, Anatomy, Physiology, Medical and Surgical Nursing, Materia Medica, Toxicology, Urinalysis, use of Splints, Bandaging, Gynæcology, Obstetrics, Diseases of Children, Diseases of Eye, Ear and Nervous System, Rest Cure, Electro-therapeutics, Massage, care of the Insane, Contagion, Nutrition and Cookery for the sick.

GRADUATING CLASS, 1895.

Margaret Bell,
Katherine Bennett,
Mary C. Bettig,
Belle Campbell,
Elizabeth Gilmore,
Clara Israeli,
Stella M. Mathers,

Gertrude T. Turner,
Fannie V. McCurdy,
Mary F. Devinne,
Sadie T. Hofford,
Elizabeth Hardwick,
Frances A. Worth,
Lucy S. Wandick.

All communications relating to the School for Nurses should be addressed to

MARY E. P. DAVIS, Superintendent.
University Hospital, Philadelphia, Pa.





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